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Vaughan's Spring Flowering Bulbs

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U. S. Department of Agriculture



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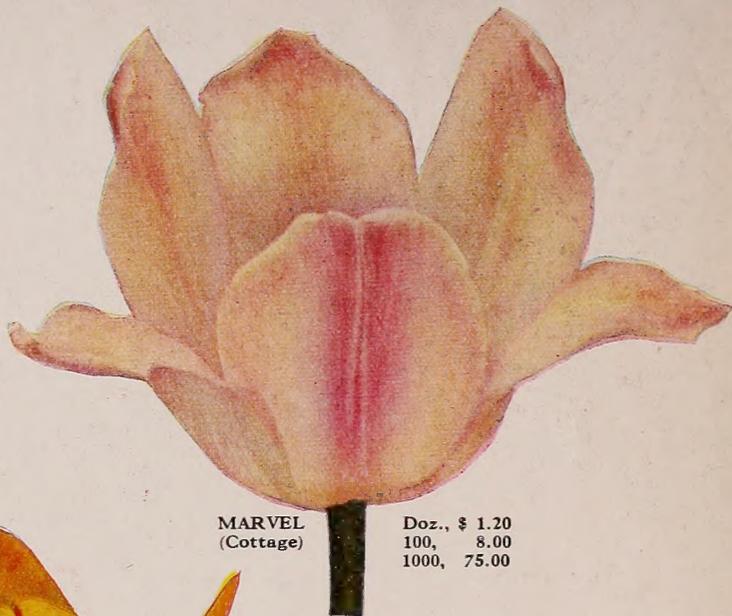
Double Early Tulips

Illustrated from top to bottom, on left, Queen of Pinks, Couronne d'Or, L' Aurora; center, Titian, Mystery of India; right, Boule de Nieve, Van Tubergen, Rubra Maxima. See page 1



NECTAR
(Cottage)

Doz., \$ 1.50
100, 10.00
1000, 90.00



MARVEL
(Cottage)

Doz., \$ 1.20
100, 8.00
1000, 75.00



ARGO
(Cottage)

Doz., \$ 1.75
100, 12.00
1000, 115.00



AFTERGLOW
(Darwin)

Doz., \$ 1.15
100, 7.50
1000, 70.00



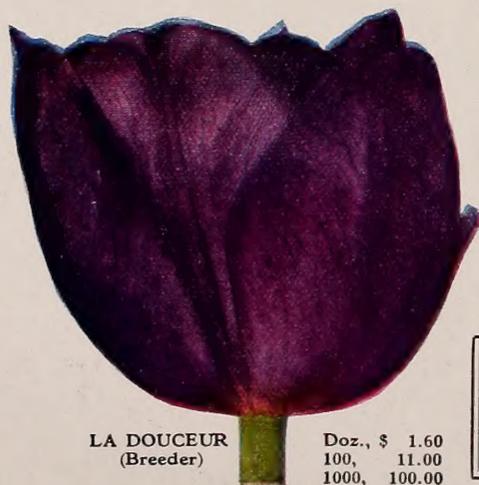
PRINCE OF
ORANGE
(Breeder)

Doz., \$ 1.20
100, 8.00
1000, 75.00



JOHN
RUSKIN
(Cottage)

Doz., \$ 0.90
100, 6.00
1000, 55.00



LA DOUCEUR
(Breeder)

Doz., \$ 1.60
100, 11.00
1000, 100.00



LOUIS XIV
(Breeder)

Doz., \$ 1.15
100, 7.50
1000, 70.00

Cover Collection No. 2

One each (8 bulbs) of the varieties illustrated on this page, separately **\$1.25**
 labeled, postpaid - - - - -
 Three each (24 bulbs) - - - - - \$3.00
 Six each (48 bulbs) - - - - - 5.00

Spring Most Beautiful Season in Modern Gardens

WHAT is the most beautiful month in the garden? Our grandmothers would have said June. But modern gardens have changed. The season has been moved ahead.

Bulbs and Perennials Give Year's Finest Display

Now most garden lovers will agree that the climax of beauty has passed, when the tulips, peonies and irises have ceased to bloom.

Early flowers were always most welcome flowers. They found eyes tired of winter eager for their beauty. They were always easy flowers, coming in the time of plentiful rains, before the weeds grew, and difficulties multiplied.

And now, thanks to marvelous improvements from plant breeding, they are the most beautiful flowers.

When the daffodils, the tulips, the irises and peonies have come and gone, gardens may still be beautiful; but the rest of the year can offer no such combination of fresh green, and vivid color, as the spring garden.

And yet only one garden owner in three plants in the fall the bulbs and perennials upon which the spring garden wholly depends.

Bulbs Will Last Forever

Perhaps there is a feeling that bulbs are difficult to grow. The fact is, they are much easier than seeds. Failure with good bulbs is impossible, if they are planted in well-drained soil, at the proper depth, which is four times the diameter of the bulb. There are no problems of irrigation, cultivation, or spraying in the case of bulbs, which flower before weeds grow or drouth begins and have no insect enemies.

But are not bulbs expensive?

The answer is, emphatically, no. Measured by the beauty they produce, the purchase of bulbs is the most economical of garden investments.

The way to think of bulbs, is not as being like seeds, but as plants. Hardy bulbs are, in fact, perennial plants. Most of them, once planted, need not be disturbed oftener than you divide perennials. Many will multiply from year to year. Tulips and daffodils are now growing in American gardens for which the original stock was purchased over 100 years ago. A bulb garden is a lasting garden, and expenditures from year to year add to its beauties.

The Succession of Bloom

The first flowers which peep up through the snow are made precious by their earliness. A few weeks later, we might have small regard for the dainty white bells of the snowdrop, or the star-flowers of the chionodoxa. But in February, March or April (depending on the weather), they appear as the first realization of spring's promise, the vanguard of the garden pageant; and they give us a thrill which will live in memory as one of the major delights of the garden year.

Because of this much enhanced interest due to keen hunger for garden beauty after the winter famine, every well planned garden should have in the early weeks of spring, a carefully planned succession of bloom, presenting all possible variety, and a maximum of color. In such a plan, bulbs must dominate; for they are the major flowers of this period, and such herbaceous perennials as bloom with them, are best employed as foils to set off the beauty of the bulbs.

After the snowdrops and chionodoxas, which blossom simultaneously, the deep blue of scillas appears in the garden, vivid in sheets of lasting color. Crocuses soon appear, planted in grass (where it need not be cut until the crocus foliage turns yellow) or even more effective massed in the border. The blue and yellow varieties afford a charming harmony of complementary colors, planted in contrasting groups, or in a mixture.

The Climax of the Season

Daffodils come after the crocuses. With their yellow blooms, the dark purple pumila irises blossom, and the sky-blue polmoniums. At about this time come two perennials which are most effective in the spring border, phlox divaricata, with its pale lavender flowers in amazing profusion, and ranunculus acris flore pleno, a double yellow buttercup which introduces a cloud of gold into the picture wherever it may be desired. Both have a season of bloom which carries them well through the late tulip season.

The climax of the bulb garden is the tulip season. Beginning with species tulips, such as the creamy Kaufmanniana, which comes with the narcissi, it continues with early singles, which now provide tall flowers of pleasing colors, delightful in the border. The double early varieties last

until the May flowering strains are well underway. These, beginning (in Chicago) early in May and continuing in favorable years well into June, provide a color feast which the garden year will not surpass in its later glories. And before they have gone, the irises and peonies have come to give the garden its supreme display.

Beginners in bulb growing will find exceptional values in our Beginners' Bulb Offers advertised on this page. These assortments

have been planned to include early midseason and late blooming flowers, enabling the buyer to become familiar with many different types and to establish, in his garden, the all-important succession of bloom. The offers are priced at a saving of more than one-quarter from the cost were the bulbs ordered separately at catalog prices. If you wish to grow bulbs, and doubt your ability to order a pleasing array from the detailed lists in this catalog, we recommend that you try one of the Beginners' Offers. The collections for \$5.00 and \$10.00 provide material for striking displays, beginning with the snowdrops and chionodoxas and continuing in normal weather until the first of June.

Front Cover Collection

The Double Early Tulip varieties illustrated on the front cover of this catalog will be sent, prepaid, separately labeled—

- One of ea. variety (8 bulbs), \$1.25
- Three of ea. variety (24 bulbs), 2.50
- Six of ea. variety (48 bulbs), 5.00

Individual varieties will be supplied for the following prices (not prepaid):

	Doz.	100	1,000
Boule. de Nieve...	\$1.00	6.50	\$ 60.00
Queen of Pinks...	1.10	7.00	65.00
Couronne d'Or...	1.15	7.50	70.00
L'Aurora.....	1.60	11.00	100.00
Titian.....	1.30	9.00	85.00
Mystery of India..	1.15	7.50	70.00
Mr. Van Tubergen	1.20	8.00	75.00
Rubra Maxima..	1.15	7.50	70.00

Bulb Offers for Beginners Providing Succession of Bloom

\$1.00 To introduce to you the variety and beauty of spring flowering bulbs we will send the following, all of first quality: 6 scillas, 6 early tulips, 6 May-flowering bulbs and 6 daffodils—24 bulbs in all—for \$1.00, postpaid.

\$2.50 We will send bulbs of the finest quality of the following: 12 snowdrops, 12 chionodoxas, 12 crocuses, 12 blue scillas, 12 early tulips, 12 May-flowering tulips, 6 mixed daffodils—78 bulbs in all for \$2.50, prepaid.

\$5.00 We will send bulbs of the finest quality of our selection, all named varieties, or single colors, no mixtures, bagged separately with names on bags, the following assortment: 25 snowdrops, 25 chionodoxas, 25 crocuses, 25 scillas, 15 early tulips, 25 May-flowering tulips, 25 mixed daffodils—165 bulbs in all for \$5.00, prepaid.

\$10.00 We will send bulbs of the finest quality and of the better named varieties, bagged separately, with names on bags, the following assortment: 25 snowdrops, 25 chionodoxas, 50 crocuses, 50 scillas, 25 early tulips, 50 Darwin tulips, 25 Breeder tulips, 25 mixed daffodils, 25 bedding hyacinths—300 bulbs in all for \$10.00, NOT PREPAID.

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Helpful Details Making Mail Orders Convenient

Order at Once Send in your order as soon as possible after receiving catalog. Bulbs for immediate planting will be sent at once, others at proper time, with due notification.

How to Order Use the order sheet accompanying this catalog. One section is for seeds, bulbs and sundries (i. e. Insecticides, Manures, Poultry Supplies, etc.); the other for plants, shrubs and trees only.

Don't put plants and trees on the same section with bulbs and seeds.

Important Write your name, postoffice, state and express office plainly with black ink, on every order, and every time you write to us. Give plain express, mail or freight directions; where none are given, we route the same at buyers' risk.

Quantity, Size, Price Always give the quantity required of bulbs, plants or trees, mentioning size where different sizes are offered, and carry out the price of each item.

Mistakes These will happen in spite of all care. Write us at once with copy of original order if possible, and mistakes will be promptly rectified. Please do not return goods until you hear from us.

Parcel Post Fourth Class Mail Matter, which includes seeds, plants, bulbs, roots, books, tools, insecticides (in dry and paste form), odorless fertilizers and requisites, may be forwarded by domestic parcel post within the United States. See table opposite showing postage you should add to insure free delivery. All poisonous Insecticides, are unmailable.

Express Service For most orders exceeding 20 pounds in weight and for plants requiring special packing, we urge that they be expressed. Mark order plainly if wanted by Express or Parcel Post.

Our Terms with customers not having an account are strictly cash with order. We make no C. O. D. shipments unless one-third of amount is paid in cash with order. No trees, plants or other perishable stock, are sent C. O. D.

How to Send Money Send by New York or Chicago draft, registered letters, or postoffice or express money order; both are cheap and absolutely safe. Small postage stamps are taken as cash, but we prefer larger denominations, such as fives, tens or fifteens. Registered letters can be sent from any postoffice, and your receipt sent you by return mail if demanded. If personal checks are used have them certified and add 15 cents for exchange cost. Put no currency in letter unless you register the same. Make money order payable to "Vaughan's Seed Store."

PARCEL POST Vaughan's Seed Store at Chicago and New York, covers the United States in a remarkable way to secure cheap postal rates for its many mail order customers.

The weights of all bulbs and roots offered are given and customers are requested to add sufficient to their remittance to cover postage on total estimated weight of order at rates given in the following table.

DOMESTIC PARCEL POST RATES		First pound or fraction	Each additional pound or fraction
On Seeds, Plants, Bulbs, Roots, Books, Tools, etc., within the U. S. and Possessions.			
First Zone	Chicago or New York City or 50 miles thereof	7c.	1c.
Second Zone	within 50 to 150 miles of either.....	7c.	1c.
Third Zone	within 150 to 300 miles.....	8c.	2c.
Fourth Zone	within 300 to 600 miles.....	8c.	4c.
Fifth Zone	within 600 to 1000 miles.....	9c.	6c.
Sixth Zone	within 1000 to 1400 miles.....	10c.	8c.
Seventh Zone	within 1400 to 1800 miles.....	12c.	10c.
Eighth Zone	all over 1800 miles and Canada.....	13c.	12c.

NOTE. Limit of weight for delivery within the first, second and third zones, 70 pounds; to Canada 11 lbs., to all other zones 50 pounds. If weight exceeds this, we will pack in 2 or 3 parcels (not more) provided money is remitted to cover postage. Mark your Zone Number on order.

Our Responsibility It is so manifestly impossible for a seller of any perishable article to be responsible for what may happen to it after it leaves his hands, especially one like seeds, which are planted in the ground under varying conditions of soil and climate, that we, in common with all American seed houses, disclaim responsibility as to the crop which may be raised from seeds which we sell.

At the same time, in case of any failure to secure proper results caused from some inherent fault in the seeds themselves, Vaughan's Seed Store accepts responsibility, not for crop, but to the extent of the amount of money paid for the seeds, if immediately advised. Or seeds may be returned.

We Do Not Warrant in any way, expressed or implied, the contents or the description, quality, productiveness or any other matter of any seeds, bulbs, plants, shrubs or trees sold by us, and we will not be in any way responsible for the crop. If the purchaser does not accept these goods on above terms, no sale is made thereof, and he must return them at once and money will be refunded. Subject to the above conditions, we make this sale at the moderate prices at which we sell our goods.

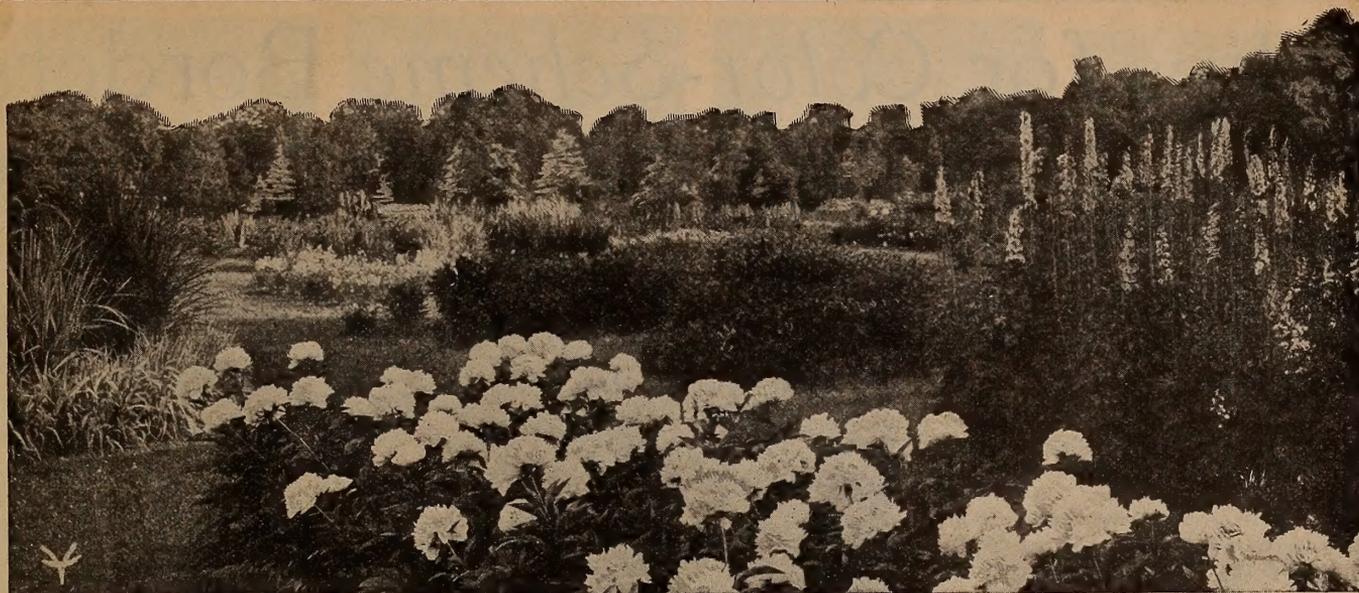
VAUGHAN'S SEED STORE, Incorporated.

SEND TO THE CITY NEAREST YOUR ADDRESS

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Vaughan's Seed Store

10-12 W. Randolph Street, CHICAGO
47-49 Barclay Street, NEW YORK



The Modern Peonies and Irises

PEONIES and Irises, following the late Tulips and sometimes overlapping their season, bring the climax of the spring garden display. The new varieties of these two families are the finest of all landscape flowers.

In size, in color range, in beauty form, they dominate their rivals; and all this excellence is accompanied by extreme hardiness, vigor and relative freedom from disease.

How changed the peony has come to be, since the days when early officinalis rubra with its bright red blossoms was its common representative in gardens. Its chief claim to eminence in the floral world used to be its size. But now, with size greatly increased, we have blossoms of a coloring unsurpassed for subtle shading. We have Solange, which Mrs. Edward Harding compared to an oriental pearl; Therese and Walter Faxon, the equi-

Give the Spring Garden Climax

site pinks; Le Cyngé, milk-white with petals curving like the feathers on a swan's wing, and others in number of a quality which not the finest roses can surpass.

The modern iris, and the modern garden—without the first, the second seems impossible. So completely do the new irises fill the specifications for a landscape flower, as decreed by the most recent revision of the canons of gardening art—it would seem that Nature and the designers were in agreement.

In the collections listed on this page, are included the finest of named varieties of recognized merit, which ought to be included in every collection. Before each variety is given the rating, on a scale of 10 points, assigned by the Peony and Iris societies. A complete list of named varieties of Peonies is found on Pages 28 and 29; and of Irises, on pages 26 and 27.

Iris Collections

Collection No. 26

Six of the best new Irises for \$10.00

- | | |
|---------------------------------|--------------------------------|
| 9.2 Asia, pale silvery lavender | 9.1 Germaine Perthuis, violet |
| 8.2 Chasseur, yellow. | 9.1 Morning Splendor, violet. |
| 8.9 Frieda Mohr, pink toned. | 9.1 Santa Barbara, light blue. |
- One each of above six Irises, \$10.00 (value \$14.00)

Collection No. 27

Eight outstanding varieties for \$4.00

- | | |
|----------------------------------|--|
| 9.2 Ambassadeur, smoky bronze. | 8.1 Prospero, violet. |
| 9.0 Ballerine, light blue toned. | 9.0 Princess Beatrice, silvery lavender. |
| 8.4 Dream, soft clear pink. | 8.5 Shekinah, soft yellow. |
| 8.3 Imperator, red toned. | 9.1 Mad. Gaudichau, purple. |
- One each of above eight Irises for \$4.00 (value \$5.10)
Three of each for \$8.00

Collection No. 27A

Ten varieties of the first rank for \$3.00

- | | |
|--|------------------------------|
| 8.0 Cluny, violet. | 8.2 Opera, reddish-purple. |
| 8.0 Iris King, maroon and gold. | 8.6 Prosper Laugier, bronze. |
| 8.8 Lent A. Williamson, violet and purple. | 7.4 Raffet, violet. |
| 7.5 Mrs. Walter Brewster, lavender-blue. | 8.3 Seminole, claret. |
| | 7.8 La Neige, white. |
| | 7.8 Troost, rosy purple. |
- One each of above 10 Irises for \$3.00 (value \$3.80)

Collection No. 27B

- Twelve standard varieties, which every garden should have, for \$2.50
- | | |
|--|-----------------------------------|
| 7.1 Caprice, reddish purple. | 7.1 Queen of May, lilac-pink. |
| 7.7 Dejazet, rose and violet. | 8.2 Rhein Nixe, white and purple. |
| 7.8 Grevin, violet and red. | 7.7 Sherwin Wright, yellow. |
| 7.5 Juniata, deep blue. | 7.2 Storm Cloud, grayish-lilac. |
| 7.3 Lorely, yellow and plum. | 7.3 Trianon, pale buff. |
| 7.4 Monsignor, blue-violet. | |
| 7.2 Quaker Lady, smoky lavender blue and yellow. | |
- One each of above twelve Irises for \$2.50 (value \$4.20)
Three of each for \$5.00

Peony Collections

Collection 30A

In the opinion of many critics, the four best varieties.

- | | |
|--------------------------|-------------------------|
| 9.9 Le Cygne, white. | 9.7 Solange, cream. |
| 9.0 Longfellow, crimson. | 9.3 Walter Faxon, pink. |
- One each of the above (value, \$16.00), for \$14.00.

Collection 30B

Six of the highest rated, newer varieties at an exceptional price.

- | | |
|-----------------------------|----------------------------|
| 9.1 Francis Willard, white. | 9.0 Sarah Bernhardt, pink. |
| 8.8 Mons. M. Cahuzac, red. | 9.8 Therese, pink. |
| 8.8 Richard Carvel, red. | 9.4 Tourangelle, white. |
- One each of the above (value, \$14.00), for \$12.00.

Collection 30C

Four splendid Peonies at a bargain.

- | | |
|---------------------------|-----------------------------|
| 7.6 Edulis Superba, pink. | 9.3 Festiva Maxima, white. |
| 8.4 Felix Crousse, red. | 9.2 Mons. Jules Elie, pink. |
- One each of the above (value, \$3.75), for \$3.00.

Collection 30D

Six free flowering, beautiful varieties.

- | | |
|--------------------------------|---------------------------------|
| 7.8 Augustin d'Hour, red. | 7.5 Marechal Valliant, red. |
| 8.1 Duchess de Nemours, white. | 7.9 Mad. de Verneville, white. |
| 7.5 La Tulipe, pink. | 7.8 Modele de Perfection, pink. |
- One each of the above (value, \$4.75), for \$3.50.

Collection 30E—Surplus Varieties \$4.00

Twelve different Peonies—4 white and light; 5 pink and rose; 3 red—all labeled to color, \$4.00; by mail, postpaid, \$4.50.

Un-named Peonies

- Double White—50c; 10, \$4.00; Double Red—60c; 10, \$5.00.
Double Pink—50c; 10, \$4.00; Double Mixed—40c; 10, \$3.00.

Tulips for Color-Scheme Borders

Varied Groups of Contrasting Colors Make Welcome Picture in the Spring

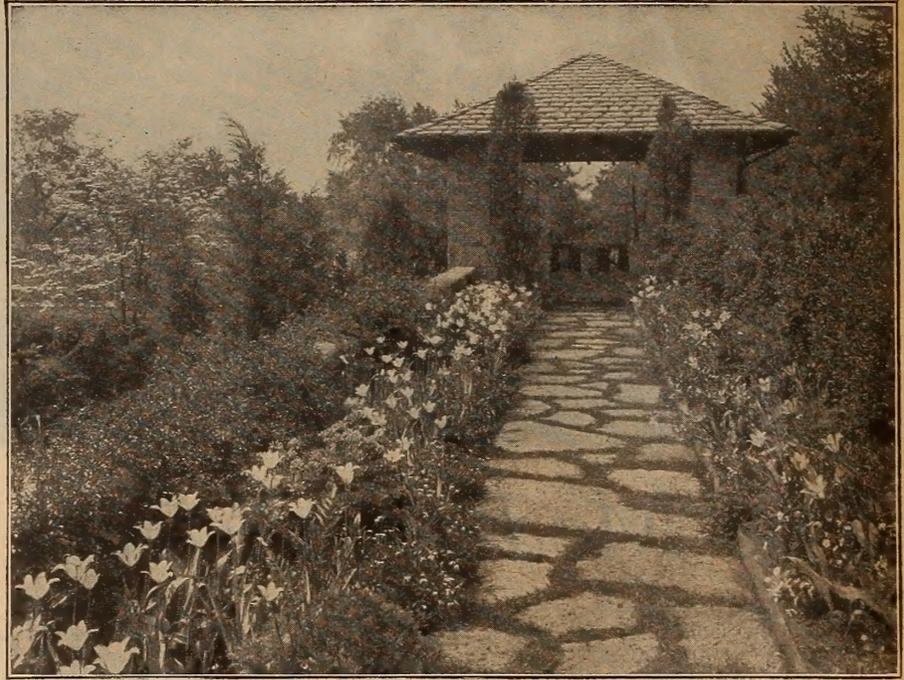
IN THE spring, gardens should be gay. Brilliant, dazzling color is welcome in the cool sunshine of April and May. Later we shall require coolness, and restfulness in the garden picture, but when spring comes after the long winter rest, we look eagerly for stimulating, joyful color in the landscape.

No doubt it is to meet this need, which must always have been felt by garden makers, that tulips have been developed to their present array of colors. The gay carpet beds of early tulips and hyacinths once popular, were as much a sign of spring as the robin's song. With the new emphasis being given architectural gardening in city surroundings such beds may return to favor. And in the home garden, where the carpet-bed form is avoided, there is no reason why we should reject gay color. We can plant our borders so that from April to June they sing of the summer's glory to come.

Plant Tulips in Border Groups

BOTH in early and May-flowering tulips there is a wealth of tall, graceful varieties of beautifully blended colors, which can be used in the formal or natural garden, to produce the effects which present-day taste demands. Placed among the perennials, in groups of 25 or 50 of a single variety, they will easily produce the most pleasing color-scheme planting of the year.

There are several reasons for this. Tulips



Plant Tulips in the Border With Other Perennials

are most dependable. Seldom does a bulb fail to produce a flower, if planted in good drainage. The flowering season is uniform, both as to bulbs of the same variety, and varieties of the same class. While there is a pleasing variation in height, there are no great extremes, and one knows in advance about how tall a variety will grow. Any color selection can be made in buying tulips of a reliable dealer more exactly than with most other flowers.

All these points assist careful planning, and contribute to the success of the undertaking, so that in few other garden enterprises is one so likely to experience the delight of seeing in life the picture one had planned on paper.

Color harmonies of any description can be created with tulips. The most delicate blendings of pinks, lavenders, and orange tones can be worked out if desired. But for gay effects, what is known as harmony by contrast may be recommended. Here complementary colors, boldly contrasting in hue, are planted together. Violet and yellow, pink and lavender, and even yellow and red in limited amounts, will find no one to quarrel with their brilliance in the May garden.

To one who is accustomed to think of tulips in formal plantings only, perhaps in single rows of sentinel-like flowers edging beds and borders, a garden of tulips planted in groups will give a new idea of the possibilities of this flower.

Try a Color-Scheme Border

TO MAKE it easy to try a color-scheme border planting for next year, we have planned 8 combinations of which we offer bulbs of our selection at a special price.

We are able to make a special price, because we can select the colors demanded from varieties of which we are not short. There is never any way to tell what named varieties are to be in most demand each year. We order on the basis of last year's demand, the only basis we have; but usually sales go differently, and we soon find ourselves with a shortage of some varieties and a surplus of others; and the latter are apt to be the finer and higher priced.

Named Varieties, Each Labeled

While we cannot allow you to specify the varieties to be included in these collections, each variety will be labeled with its name. And where the larger quantities of a collection are ordered, different varieties of a color will be sent. Thus, in an order for 100 each of pink, lavender and yellow tulips, several varieties of each color will be sent, in bags of 25 each. And so with all other collections.

Bulbs for Color Borders at Special Prices

Varieties Are of Our Selection, Making it Possible to Give Exceptional Values

Single Early Tulips

Red and White

25 of each (50 bulbs).....	\$ 2.50
50 of each (100 bulbs).....	4.50
100 of each (200 bulbs).....	8.50
250 of each (500 bulbs).....	20.00

Orange and Violet

25 of each (50 bulbs).....	\$ 3.50
50 of each (100 bulbs).....	6.50
100 of each (200 bulbs).....	12.00

Pink, Violet, Yellow

25 of each (75 bulbs).....	\$ 6.00
50 of each (150 bulbs).....	11.00
100 of each (300 bulbs).....	20.00

May-Flowering Tulips

(Selected from Darwin, Cottage and Breeder classes)

Lavender and Pink

25 of each (50 bulbs).....	\$ 3.50
50 of each (100 bulbs).....	6.50
100 of each (200 bulbs).....	12.00
250 of each (500 bulbs).....	28.00

Violet and Bronze (Orange)

25 of each (50 bulbs).....	\$ 3.50
50 of each (100 bulbs).....	6.50
100 of each (200 bulbs).....	12.00
250 of each (500 bulbs).....	28.00

Lavender and Yellow

25 of each (50 bulbs).....	\$ 3.00
50 of each (100 bulbs).....	5.50
100 of each (200 bulbs).....	10.00
250 of each (500 bulbs).....	24.00

Pink, Lavender, Yellow

25 of each (75 bulbs).....	\$ 4.50
50 of each (150 bulbs).....	8.50
100 of each (300 bulbs).....	15.50
250 of each (750 bulbs).....	35.00

Pink, Rose, Lavender, Violet, Yellow, Bronze

25 of each (150 bulbs).....	\$ 9.00
50 of each (300 bulbs).....	17.50
100 of each (600 bulbs).....	33.00
250 of each (1,500 bulbs).....	75.00



CROCUSES



ERANTHIS (Winter Aconite)



SNOWDROPS



TULIP KAUFMANNIANA

Bulbs for the Rock Garden

Many are Suited in Size and Habit for a Place in the Rockery

THESE are many bulbs which, in their size and habit of growth, are suitable for use in rock gardens. Few American rock gardeners insist that plant material used in their rockeries shall show a pedigree back to a native species found on a mountain top. It is appearance rather than ancestry which is considered on this side of the ocean, when flowers are in question.

Plants grown from bulbs, which are not more than a foot to fifteen inches tall, and which by an informal habit of growth, and a liking for natural environment, harmonize with their companions and with the picture, are generally welcomed in rock gardens, especially when they have the precious quality of earliness, and blossom when other flowers are few and every sign of spring's arrival is precious.

The finest subjects for the rockery are found among the minor bulbs, which by very reason of their dwarf stature, and delicate blossoms, are likely to be outshone in the border by more conspicuous rivals. These more gorgeous subjects, the tall late tulips, and the giant daffodils, would never do in rock gardens; they would be out of scale, in size and character. But the minor bulbs find among the rocks effective settings, where their most elusive beauties are made visible.

In planting bulbs in the rock gardens, there are no especial precautions to be taken. They like good drainage. Most of them need not be planted deeply; four times the diameter of the bulb is the general rule. Those that blossom early will look best against the background of a rock. They do not need protection from the cold, but will escape many dangers if they are shaded from spring sunshine which might bring them prematurely into growth. In shallow soil, a mulch which will protect them from the wash and spatter of March rains is advisable. They may be planted alongside other perennials, if one considers that their foliage must be left to turn yellow after they bloom, and places them where they will not interfere with treasured small plants which blossom soon after them.

First of the bulbous flowers to blossom in the rock garden are the white snowdrops and blue chionodoxas. They appear during the first warm spells of spring, sometimes weeks before other flowers. They are priced and their varieties described on Pages 20 and 21 of this catalog.

Scillas are excellent for rock gardens, with their vivid blue flowers and perfect hardiness, and tendency to multiply. *Scilla Siberica*, and the species *Nutans alba*, both described on Page 21, are the types

most suitable for rockeries.

Crocuses in small groups give vivid color in the early spring. Groups of yellow contrasting with masses of blue provide a pleasing color effect. On Page 20 will be found a selection of named varieties.

At about this time also appear the cushions of the winter aconite (*Eranthis Hyemalis*) resting on cushions of their green leaves. It prefers a moist spot, perhaps near the rockery pool. See Page 20.

When narcissi are blossoming in the border, species tulips will come into flower. These native forms differ from the cultivated tulip in their habit of growth, and height, but have flowers as large and colors even more brilliant.

Some have quaint form, such as *Cornuta stenopetala*, whose twisted

petals are illustrated on Page 14. The earliest of all is *Kaufmanniana*, a creamy flower with carmine edging. *Greigi Aurea*, brilliant orange scarlet, has interesting spotted leaves. A list of the species tulips is given on Page 14, and we do not know any of this race that will attract more interest and admiration in the spring garden. Give them a place in the sun, rather dry and hot.

The spring snowflake, (*Leucojum Vernum*, Page 21) is a good rock garden subject. The checkered lily (*Fritillaria Meleagris*, Page 20) with its quaintly colored, checkered bell flowers, is curious and interesting. The dog's tooth violets, (*Erythronium*) sometimes called trout lilies, are much at home in soil pockets rich in leaf mould, in shady locations. (Page 20.)

Muscari or grape hyacinths, blossoming in May, are effective with their blue spikes; they increase freely. (Page 21).

All the bulbs which have been described on this page are hardy and may be left in the ground for several years without being disturbed. The scillas and grape hyacinths multiply from dropped seed, and most of the others will increase under favorable conditions by the division of bulbs. One great advantage of bulbs is that they have become accustomed to cultivated conditions, and will thrive under conditions where more exacting plants would fail. If one's rock garden is treated as the home of a plant collection, to which admittance depends upon the rarity and pedigree of specimens, then disappointments may often be expected through inability to provide the precise environment which collected plants demand. But with bulbs one can be sure of a happy garden of thriving plants, gladly adapting themselves to your garden and repaying your care with joyous color.

Bulbs for Rock Gardens

We offer special values in collections of bulbs for rock gardens, including the varieties described on this page.

\$2.50 We will send bulbs of the finest quality of the following: 6 Snowdrops, 6 *Chionodoxas*, 6 *Scilla Siberica* (Blue Bells), 6 Crocus, 6 *Eranthis Hyemalis*, 6 Species Tulips, 6 *Fritillaria Meleagris*, 6 *Erythronium* (Dog Tooth Violets), 6 *Muscari* (Grape Hyacinths)—54 bulbs in all, for \$2.50, postpaid.

\$5.00 We will send bulbs of the finest quality of the following: 12 Snowdrops, 12 *Chionodoxas*, 12 *Scilla Siberica*, 12 Crocus, 6 *Eranthis Hyemalis*, 18 Species Tulips, 6 *Fritillaria Meleagris*, 6 *Erythronium* (Dog Tooth Violets), 18 Grape Hyacinths, 6 *Leucojum Vernum*—108 bulbs in all, prepaid for \$5.00.

\$10.00 We will send bulbs of the finest quality of the following: 25 Snowdrops, 25 *Scilla Siberica*, 25 *Chionodoxas*, 25 Crocus, 12 *Eranthis Hyemalis*, 36 Species Tulips, 12 *Fritillaria Meleagris*, 50 Grape Hyacinths, 12 *Jonquils* (true)—222 bulbs in all, for \$10.00, not prepaid.



Autumn Is Lawnmaking Time

TIMOTHY, a coarse hay, is the greatest foe of fine lawns in the United States. Its seed, a farm commodity, is much cheaper than lawn grasses, and is extensively used as an adulterant in lawn mixtures.

Adulteration with timothy may be expected to increase this fall, because of the failure of the Kentucky blue grass crop, which has increased prices of that standard lawn seed.

Vaughan's lawn mixtures contain no timothy, but are composed

of permanent, fine lawn grasses. Timothy comes up quickly, but its stems soon grow coarse, and inevitably ruin a lawn.

See that the seed is well covered. Rake it into a new seed bed and roll so that the soil is firmed over the seed. Where seed is sown on an old lawn always cover it with a top-dressing.

Quantity to Use—On new lawns use 1 lb. of seed for 300 square feet. To replenish lawns where turf is thin use half quantity.

"Vaughan's Parks" Lawn Seed—The Standard Lawn Mixture

This mixture is composed of heavy, re-cleaned seed, blended according to the formula proved in our 54 years' experience to be the best for permanent lawns under American conditions and recommended by the Department of Agriculture. Re-cleaned Kentucky blue grass and red top form the bulk of this mixture, to which is added white clover in the correct proportion. Our mixture produces a lawn that will endure. Price, ½ lb., 30c; 1 lb., 60c; 2 lbs., \$1.20; 3 lbs., \$1.75; 5 lbs., \$2.90; 10 lbs., \$5.75; 15 lbs., \$8.50; 20 lbs., \$11.25; 25 lbs., \$14.00; 50 lbs., \$27.00; 100 lbs., \$50.00.

Vaughan's "Columbian"

For Shady Lawns or Sandy Soil

On sandy soil or in light shade, conditions are met with when making a lawn which require the use of a special grass seed mixture. Vaughan's "Columbian" is the correct mixture for such locations.

½ lb., 30c; 1 lb., 60c; 2 lbs., \$1.20; 3 lbs., \$1.75; 5 lbs., \$2.90; 10 lbs., \$5.75; 15 lbs., \$8.50; 20 lbs., \$11.25; 25 lbs., \$14.00; 50 lbs., \$27.00; 100 lbs., \$50.00.

Vaughan's Dense Shade Mixture

Composed of grasses most suited for growing in heavily shaded situations.

Price, lb., 75c; 2 lbs., \$1.50; 3 lbs., \$2.20; 5 lbs., \$3.65; 10 lbs., \$7.20; 15 lbs., \$10.65; 20 lbs., \$14.00; 25 lbs., \$17.25; 50 lbs., \$33.00; 100 lbs., \$65.00.

Vaughan's "Quick Show" Grass Mixture

Has not the permanency of color of our "Parks," but makes a respectable showing the first season. Sow 100 lbs. to acre.

Price, lb., 40c; 2 lbs., 80c; 3 lbs., \$1.15; 5 lbs., \$1.90; 10 lbs., \$3.75; 25 lbs., \$9.00; 100 lbs., \$32.50.

Vaughan's Special Grass Mixture "Private Estate"

This contains a large proportion of the more expensive grasses, like the Bent Grasses, Cheving's Fescue, etc., also extra heavy Kentucky Blue Grass.

Price, lb., 80c; 2 lbs., \$1.60; 3 lbs., \$2.35; 5 lbs., \$3.90; 10 lbs., \$7.70; 15 lbs., \$11.40; 20 lbs., \$15.00; 25 lbs., \$18.50; 50 lbs., \$35.00; 100 lbs., \$70.00.

Creeping Bent Stolons

We are now able to supply this splendid golf grass for private use. It produces a fine lawn in one season, but must have extra care, several top dressings a year and frequent mowing. But for those willing and able to provide the needed care it will repay as no other grass known. For \$25.00 we will send you enough runners and roots of the grass to plant 1,000 square feet. 500 sq. ft. for \$14.00; 250 sq. ft. for \$8.25. Express charges from growing station are extra. If larger quantities are desired ask for a special quotation. We furnish complete directions and deliver to you in the best growing condition. A leaflet giving further information about Creeping Bent Stolons will be sent upon request. It is best to plant stolons in May and June for spring planting, and from the middle of August to the middle of September for fall planting.

of permanent, fine lawn grasses. Timothy comes up quickly, but its stems soon grow coarse, and inevitably ruin a lawn.

See that the seed is well covered. Rake it into a new seed bed and roll so that the soil is firmed over the seed. Where seed is sown on an old lawn always cover it with a top-dressing.

Quantity to Use—On new lawns use 1 lb. of seed for 300 square feet. To replenish lawns where turf is thin use half quantity.

Seed of the Bent Grasses

EUROPEAN MIXED BENT (so-called "Creeping Bent") is a mixture of Bents including true Creeping Bent, Velvet Bent, and a large percentage of Rhode Island Bent. It has been in high favor as a putting green grass.

These seeds are somewhat to be preferred to the Creeping Bent Stolons for lawn purposes (but not for putting greens), because they do not grow so rapidly. Seed at the rate of 3 to 4 lbs. per 1,000 sq. ft.

European Mixed Bent ("Creeping Bent Grass"), 1 lb., \$1.75; 2 lbs., \$3.50; 3 lbs., \$5.20; 5 lbs., \$8.50; 10 lbs., \$16.50; 15 lbs., \$24.50; 25 lbs., \$40.00.

RHODE ISLAND BENT GRASS (Prince Edward Island Bent—Canadian grown), makes a fine close turf of excellent color and adapts itself readily to any soils. 1 lb., \$2.00; 2 lbs., \$4.00; 3 lbs., \$5.95; 5 lbs., \$9.75; 10 lbs., \$19.00; 25 lbs., \$43.75; 50 lbs., \$77.50; 100 lbs., \$150.00.

Cocoos Bent

We can now offer genuine Cocoos bent seed. This is a true unmixed creeping bent grass seed. One top-dressing a year will keep it in good condition.

1 lb., \$2.75; 2 lbs., \$5.50; 3 lbs., \$8.10; 5 lbs., \$13.25; 10 lbs., \$25.00; 25 lbs., \$60.00; 50 lbs., \$115.00; 100 lbs., \$225.00.

White Clover

Extra fancy seed. Price, ¼ lb., 20c; ½ lb., 35c; 1 lb., 65c; 2 lbs., \$1.30; 3 lbs., \$1.90; 5 lbs., \$3.10; 10 lbs., \$6.00, prepaid to 300 miles.

Fancy Kentucky Blue Grass (Poa pratensis)

EXTRA FANCY SUN CURED SEED—Specially re-cleaned and of high germination; 23 lbs. per bushel. 1 lb., 65c; 2 lbs., \$1.30; 3 lbs., \$1.80; 5 lbs., \$2.80; 10 lbs., \$5.30; 25 lbs., \$12.85; 50 lbs., \$25.00; 100 lbs., \$49.00, prepaid to 300 miles.

Fancy Seed, actual weight, 21 lbs. per bu. (The standard grade of re-cleaned blue grass.) 1 lb., 60c; 2 lbs., \$1.20; 3 lbs., \$1.65; 5 lbs., \$2.60; 10 lbs., \$4.90; 25 lbs., \$11.85; 50 lbs., \$23.00; 100 lbs., \$44.75, prepaid to 300 miles.

Red Top Grass (Agrostis alba)

Extra Fancy re-cleaned solid seed (32 lbs. per bu.): 1 lb., 45c; 2 lbs., 90c; 3 lbs., \$1.20; 5 lbs., \$1.80; 10 lbs., \$3.40; 25 lbs., \$8.15; 50 lbs., \$15.50; 100 lbs., \$30.00, prepaid to 300 miles.

On orders under \$2.00 or beyond prepaid zone, add 5c per lb. for postage. Lawn Seed orders of \$2.00 or more prepaid to within 300 miles of Chicago or New York. On Parcel Post C. O. D. orders there is an extra charge for C. O. D. delivery.

How to Succeed with Bulbs

Simple Instructions for Outdoor and Indoor Culture

IT IS almost impossible to fail with fall bulbs. But there are a few points which must be observed. These will be explained briefly and where they are given careful attention, you may depend upon flowers in the spring, if our quality bulbs are planted.

First, never plant bulbs in poorly drained soil. Low places, where water stands long on the surface, or where there is poor subsoil drainage, must be avoided. If your entire garden is low, then bulb beds must be raised above the surrounding surface high enough so that the bulbs are in well drained soil. Most failures with bulbs are due to poor drainage.

Plant bulbs deep enough. The chart on this page shows how deep. They may be planted even deeper than this, but should not be less. Sometimes in an open winter, soil is subjected to excessive heaving by alternate thawing and freezing; and bulbs which are not deep enough may be lifted entirely out of the ground by heaving. This is a rare occurrence; but should be guarded against. Heaving is worse in newly spaded soil. It also affects late planted bulbs more. Bulbs begin to make roots as soon as planted in the fall; and those which are put in early have time to anchor themselves with roots which resist heaving. If necessary to plant bulbs late, in newly spaded soil, a mulch laid over the surface after the ground has frozen will guard against heaving.

Fresh manure is toxic to bulbs, and should never be used. Fertilizer is not as important with new bulbs before they flower, as it is after they flower, when bulbs for the next year's crop are forming. Bone meal may be added to the soil when bulbs are planted and it will become available in the spring, improving their flowers and stimulating the growth of the next year's bulb. Balanced commercial fertilizers may be used sparingly, according to directions given by their manufacturers. Well-rotted manure may be incorporated with the soil in which bulbs are planted.

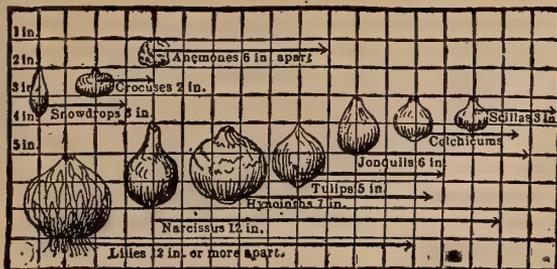
Where bulbs thrive in shade, this information is given in the detailed descriptions. Otherwise they should be planted in full sun. Tulips especially demand sun, and do not like the vicinity of mature trees and shrubs, though they thrive as neighbors to herbacious perennials. Daffodils and many lilies, on the other hand, have no objection to the roots of shrubs and trees. There are many locations which are in full sun in the early spring, before leaves have fully developed, which later in the year become shaded. Such places are suitable for sun-loving bulbs, provided they are well drained.

Hardy bulbs do not need protection from the cold. A mulch should never be put over them, until after the ground has frozen. The sole purpose of the mulch is to keep the ground from thawing, and it is

usually inadvisable except with late planted bulbs in newly spaded ground, which might be subject to undue heaving. In some sections of the country, however, conditions may exist which make a mulch advisable. It is well to follow the general practice in your locality. But never put a mulch over planted hardy bulbs until the ground freezes, and always remove it in the spring before the sprouts have come through.

In planting bulbs there are two methods. One is to spade up the bed in which they are to grow, removing all earth to the depth at which the bulbs are to be planted. This practice is often followed with pattern beds. The bulbs may be placed at the bottom of the excavation in the exact order desired, and then covered with earth.

The other method is to plant each bulb individually in a hole dug with a trowel, or made with a dibber. But, a dibber should never be used except on loose, newly spaded soil. When used in compacted soil a dibber makes a well, with hard packed walls, in which water is likely to stand unduly, injuring the bulb. Even in loose soil, where a dibber is used you must guard against "hanging" the bulb, that is permitting it to be suspended in the hole in contact with the sides but with an air space below it. The bulb must be in complete and firm contact with the soil on all sides.



DEPTH AND SPACING OF BULBS

Growing Bulbs Indoors

Paper white narcissi, Chinese sacred lilies, lilies of the valley and hyacinths may be forced into flower in water. Directions for this may be found on pages 8 and 9.

A method which produces better flowers than possible with gravel and water, and will work with a larger variety of bulbs, is the use of prepared fibre and water. The fibre (priced on this page) is not soil, but is doctored with plant food so that it serves not only to hold the bulbs in place, but to provide nourishment for the roots. Paper white narcissi will do better in fibre and water, and large trumpet narcissi, such as Emperor and Von Sion (Page 17), can be grown in this way. Large bulbs of Roman hyacinths and early tulips will flower in water and fibre. These take much longer than the Paper Whites, from four to five months being required.

While all these bulbs may also be forced in soil, the method of using bowls with gravel or fibre and water has the advantage that it does not make dirt in the house.

Complete directions for forcing bulbs in soil will be furnished on request addressed to 601 W. Jackson Blvd., Chicago, Ill.

Gravel and Pearl Chips

Gravel for bulb bowls, 5c per lb.; 5 lbs., 20c; 10 lbs., 35c.
 Pearl chips, 15c per lb.; 10 lbs., \$1.00.
 Pearl Chips, Colored. Per lb., 20c; 10 lbs., for \$1.25.
 For Parcel Post delivery add postage at zone rates.

VAUGHAN'S PREPARED FIBRE

For Growing Bulbs in Bowls, Without Drainage.
 Per Lb., 15c; 3 lbs., 40c; 10 lbs., \$1.00.



Satin Finish

THESE bowls are specially shaped for bulbs and equally attractive for flowers, made of the best grade of flint glass, in a rich, beautiful satin finish, in the following colors: Nile Green, Light Blue, Rich Deep Amber, and Black.
 5½-inch, weight, 2 lbs., each, 60c; 6½-inch, weight, 3 lbs., each, 70c; 9-inch, weight 4 lbs., each, 90c.

F. L. Style Bowls

A pottery bowl with a matt green, blue and jet black glaze finish. Prices: 5-inch (wt. 2 lbs.), 40c; 6-inch (wt. 3 lbs.), 50c; 8-inch (wt. 4 lbs.), 85c.

For parcel post delivery add postage at zone rates.
Marble Finish Bowls. 5-inch, stands on three short legs. Each, 50c; 7-inch, same shape as satin finish, each, 85c.



BULB PLANTER

Bulb Planter

Specially designed for planting daffodils and other bulbs in grass. This tool cuts and lifts a clean circular piece of turf.
 Each (in Chicago), \$9.50; (in N. Y.) \$9.00.

Bulb Dibber

Specially designed for dibbling bulbs into borders, etc., steel shod, with strong iron thread and cross wooden handle; a good, strong, heavy tool, weight, about 6¾ lbs., length 36 inches over all. This tool will save its cost.
 Each (in Chicago), \$8.00; (in N. Y.) \$7.50.



Dibber

For planting bulbs and plants. Steel point. Weight, 10 oz. Each, 90c.



BARR'S BULB DIBBER

Vaughan's Bulb Planter



A New, Handy Tool

For planting all kinds of bulbs, especially gladiolus, tulips and hyacinths.

1/5 Actual Size Each, 75c.

Lilies of the Valley

Will Flower in 21 Days

Lilies on Your Table All Winter

One month covers the time from planting cold storage lily of the valley pips, through flowering, and fading. To keep your bowl filled through the winter we have arranged to book orders for divided shipments, a month apart. Cold storage pips must be planted promptly on receipt. We will send the first shipment at any date you wish (Nov. 25 will give you Christmas flowers) and will duplicate the shipment every 30 days thereafter, as long as you wish (until April 1). Minimum shipment is 25 pips, for \$2.00, prepaid to 300 miles. For two months' supply (25 each 30 days), send \$4.00; 3 months, \$6.00; 4 months, \$8.00; 5 months, \$10.00.

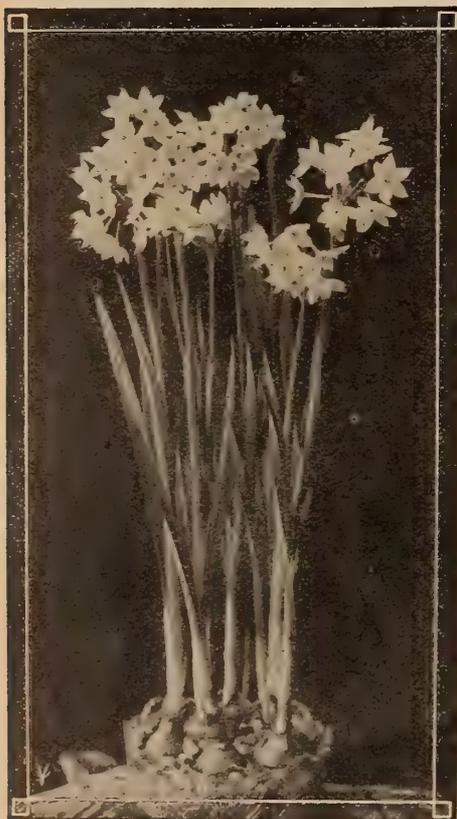
THESE beautiful, fragrant flowers may be brought to flower in 18 to 21 days, if pips from cold storage are used. They are easily forced in a bowl, if planted in sphagnum moss and kept well watered. Their dainty fragrance is preferred by many to the large Paper White narcissi, and they are much quicker to flower. Do not order more than you intend to use at

once as the cold storage pips will not keep. Plant about 25 pips in a 7-inch bowl, place in a warm temperature, 65 degrees Fahrenheit and shade from light until leaves and spikes are well developed, then admit light gradually. Increase temperature to 75 degrees or 80 degrees if possible. An inverted pot over each bowl answers admirably to shade them. They may be forced in soil the same way, in a 7-inch pot or pan. This is the treatment for cold storage pips only.

COLD STORAGE PIPS, ready November 1. 25 for \$2.00; 100 for \$6.50, postpaid.
SPHAGNUM MOSS, sufficient for 25 pips, 10c, postpaid.



LILIES of the VALLEY Forced in Sphagnum Moss



PAPER WHITE Grown in Gravel

The Yellow Paper White Narcissus (Grand Soleil D'Or)

A larger, stronger scented form of the Paper White narcissus colored a beautiful golden yellow with a darker cup.

Mammoth bulbs. Each, 20c; per three, 50c; dozen, \$2.00; 100, \$15.00.

Bulbs to Flower in Pebbles and Water Paper White Narcissus

THESE have been favorites for ages as a decoration for the living room during the coldest winter months when flowers are scarce. Their culture is simple, and with good strong bulbs such as we supply, flowering is sure. Plant bulbs in shallow bowls filled with pebbles, or fibre, and water. Keep in the dark until roots form (about 2 weeks) then bring into light. A day temperature of not over 70° is best.

Three bulbs for 25c.

Fancy selected bulbs (13 ctm.). Three bulbs for 20c; dozen, 75c; 100, \$5.00; 1,000, \$45.00.

Mammoth bulbs (14 ctm.) Three bulbs for 25c; dozen, \$1.00; 100, \$6.50; 1,000, \$60.00.

Jumbo bulbs (15 ctm.). Three bulbs for 35c; dozen, \$1.25; 100, \$8.00; 1,000, \$75.00.

Chinese Sacred Lily (Narcissus)

THIS narcissus is called by the Chinese the "Jos Flower" or "Flower of the Gods," and "Water Fairy Flower." It is highly prized for the abundance of its flowers and its marvelously rapid growth. The flowers are white, with yellow cup, and very fragrant; they are mostly single, but a few doubles are sometimes found amongst them. Each bulb produces several flower-spikes, bearing many flowers. In China and Japan the bulbs are grown in the living rooms in fancy bowls filled simply with pebbles and water. The bulb in this country can be grown as successfully as in China, and it is most interesting to watch its rapid growth, which is about twenty inches in forty days; place in a sunny window by day and on a table near the center of the room by night, as frost destroys the flower buds. Care should be taken that it is not placed in a draft, as this may cause non-flowering. Recommended for Christmas flowering.

Mammoth Bulbs. Each, 15c; per three, 40c; per dozen, \$1.50; 100, \$10.00.



CHINESE SACRED LILY

Madison, Wis., Oct. 26, 1929.
Vaughan's Seed Store,
Chicago, Ill.

Dear Sirs—I want to tell you that my tulips this spring were the most gorgeous things that ever were, and the seeds were successful.

I want more iris and other things this fall, so don't forget to send me the catalogue.

SHIRLEY FULLER HOBBS.



Hyacinths



Hyacinths in Pots for Winter Blooming

ALIGHT, rich soil produces the best flowers. Place each bulb one inch deep, an inch and one-half from each other bulb or edge of pot. Water well, and set away in a dark, cool cellar, or an outdoor pit which is well drained. If outside, cover with three or four inches of sand or ashes. Let them remain there for eight or ten weeks to root, then bring them into a warm room, but keep them in the dark (cover the pot with a paper bag, cloth, etc.). Then when the flower spike is three or four inches out of the bulb, they may be exposed to the light, and will open beautifully. The larger bulbs are best for indoor growing, the largest bulbs throwing the most magnificent flower spikes. French-Roman Hyacinths are excellent for growing in pots, flowering earlier than the others.



Hyacinths growing in Bulb fibre and water

Hyacinths in Glasses

Fill the glass with clear, soft water, so as to nearly touch the base of the bulb, putting a small piece of charcoal in each glass to keep the water pure and sweet. The filled glass should be placed in a dry, cool, dark place, and kept there until the roots almost touch the bottom of the glass, when they may be given more heat, and gradually exposed to the light. Water must never be changed, but only be replenished. Large bulbs are best for this purpose.

	Belgian		Tye Shape
Hyacinth Glasses			
Not responsible for breakage in transit			
		Each	Doz.
Belgian, Tall.....		\$0.40	\$4.00
Tye Shape.....		.40	4.00

Hyacinths in Gardens

Hyacinths are returning to popularity for both formal beds and border plantings. They provide much needed blues. Plant in any good, well drained soil. The beds should be raised several inches above the surrounding ground to prevent lodgments of water which causes bulbs to rot. Bulbs should be set six inches apart and six inches deep. The smaller bulbs produce good results when planted outdoors.

Numbers following name of variety indicate time of flowering, each number following in time of flowering.

Red and Rose

- Gertrude—3. Rose-pink, one of the best pot varieties.
- La Victoria—3. Brilliant red.
- Marconi—3. Bright pink, very good.
- Queen of Pinks—2. Rose-pink, choice.

White

- La Grandesse—3. Pure white, large bells, splendid spike, best for outdoor planting.
- L'Innocence—2. Pure white, best for growing in pots indoors.

Yellow

- City of Haarlem—3. Golden yellow.
- Yellow Hammer—3. Lemon yellow.

Blue

- Dr. Lieber. Dark blue, darker than Grand Maitre, lighter than King of Blues.
- Grand Maitre—2. Dark porcelain blue.
- King of Blues—4. Very dark blue.
- Queen of Blues—4. Very light blue.

	Doz.	100	1,000
Mammoth Bulbs, (19 Ctm.)	\$2.50	\$17.00
First Size (18-19 Ctm.)	2.00	14.00
Second Size (17-18 Ctm.)	1.75	12.00
Third Size (16-17 Ctm.)	1.60	11.00	\$100.00
Bedding Size (15-16 Ctm.)	1.30	8.50	80.00
Dutch Romans (13-14 Ctm.)	1.15	7.00	65.00

Above prices are for your selection of named varieties.

Vaughan's Rainbow Collections

Single Named Hyacinths first size for Window Garden

- Queen of Pinks, Pink Grand Maitre, Lt. Blue.
- La Victoria, Red, L'Innocence, White.
- King of the Blues, Dark Blue.
- City of Haarlem, Yellow.

PREPAID PRICES—	Postpaid
A—6 Bulbs, one of each variety ...	\$ 1.00
B—12 Bulbs, two of each variety ...	2.00
C—24 Bulbs, four of each variety ...	3.75
D—36 Bulbs, six of each variety ...	5.75

French-Roman Hyacinths

The white variety, if planted early in September and slowly forced, will bloom in December. The others require from two to three weeks longer. They will flower in three months.

- White, select size, per doz. \$2.50; per 100, \$18.00.
- Light Pink, per doz., \$1.50; per 100, \$11.00.
- Dark Pink, per doz., \$1.50; per 100, \$11.00.
- Blue, per doz., \$1.50; per 100, \$11.00.

Giant Amaryllis—Largest of Forcing Bulbs

AMARYLLIS
NEW HYBRIDS



OF ALL bulbs which the amateur can grow successfully indoors, the Amaryllis is at once the largest, most beautiful, surest to flower and most easily handled. Our new hybrids, especially, are so gorgeous in size and coloring as to amaze those not familiar with them. From a single stem, spring from one to three lily-like flowers, six to eight inches in diameter. So vigorous are the bulbs that they will blossom if stood on a table in a warm room, but it is better to grow them in pots.

They thrive best in a compost of two-thirds good garden loam with one-third leaf mold, to which should be added a little sand. They require temperature of 50 to 55 degrees, and if to be forced it should be raised ten degrees.

Place only one bulb in each pot, covering it as far as the neck or upper narrow part. Water sparingly at first until the flower shoots begin to appear. Some growers keep them in the dark until the flower stems are four or five inches long, and then bring them to the light.

After flowering they should be placed in a warm window, or set outside in sand or cinders and watered every day (sometimes twice a day), until the end of August when water should be gradually withheld and the bulbs allowed to go to rest.

EQUESTRE. Orange-scarlet. Each, 30c; doz., \$3.00; 100, \$22.00.

VAUGHAN'S NEW HYBRIDS. One of the finest strains of Amaryllis we have yet seen, raised by an eminent grower whose entire stock we have purchased. Flowers are immense, borne mostly two and three to a stem, in an amazing and beautiful range of colors, blended, splashed and striped in a manner not seen in other strains. **California-Grown:** Each, 65c; doz., \$7.00; 100, \$55.00.

JOHNSONII. Has immense trumpet-shaped flowers, which measure 6 to 8 inches across, are borne on strong fleshy spikes, and are rich, deep velvety crimson, each petal having a broad white stripe contrasting beautifully with the deep red color. Each, 55c; doz., \$5.50; 100, \$40.00.



Darwin Tulips



DARWIN TULIPS are beautifully outlined, cup-shaped and carried on tall, stiff stems. They vary in color from almost jet black, crimson and scarlet, purple to lilac, mauve, pink and indescribable intermediate blending and pastel shades. Yellow is the one color missing, but this can be supplied from the Cottage varieties listed on following pages and from the richly blended Breeders, varieties may be chosen which will increase the effectiveness of a planting of the pastel tints so prevalent among the Darwins.

Planting. Plant four or five inches deep and six inches apart in raised beds or borders so that the bulbs are slightly above the level of adjacent lawn or walks. In preparing the ground, use Vaughan's Rosegrower Bone Meal (three handfuls to a square yard), thoroughly mixed through the soil.

Parcel Post. If you wish bulbs sent by parcel post, add to our prices, postage at zone rates from Chicago or New York (see order blank), counting twelve bulbs as one pound, fifty as four pounds.

Shades of Red

Ariadne (28 in.) Brilliant rosy crimson, shaded scarlet with blue base, large flower of great substance. One of the finest. Good forcer. Per doz., 80c; 100, \$5.50; 1,000, \$52.50.

Bartigon (22 in.) Large flowers of fiery crimson with bright scarlet margin. One of the best of its color. Per doz., 80c; 100, \$5.50; 1,000, \$52.50.

City of Haarlem Intense dark scarlet with darker bloom; large steel-blue base and white halo; wonderful cup-shaped flower, with petals incurving slightly at the tips. One of the finest brilliant red Darwins. Height, 27 inches. Doz., \$1.75; 100, \$12.00; 1,000, \$110.00.

Chant Du Cygne (26 in.) A tremendous flower of fiery scarlet shaded soft rose, with large blue base. An excellent exhibition variety of fine substance. Doz., \$1.35; 100, \$9.50; 1,000, \$90.00.

Duke of Portland A large flower of fine form, rich, brilliant scarlet in color, with a blue base starred with white. Doz., \$1.40; 100, \$9.50; 1,000, \$90.00.

Eclipse Rich, glowing dark red, with a blue base circled by white. A giant tulip of good form on a tall, strong stem, which does not

easily snap in stormy weather, making it very good for the garden and exhibition purposes. Really a royal tulip, which we highly recommend. Height, 30 inches. Doz., \$2.75; 100, \$20.00.

Europe (22 in.) Glowing salmon scarlet, shaded rose; well formed globular flower, erect grower and lasts well. Per doz., 80c; 100, \$5.50; 1,000, \$52.50.

Farncombe Sanders (25 in.) Fiery rose, scarlet, inside vivid cerise-scarlet with white center marked blue; flowers perfect shape. Per doz., 80c; 100, \$5.50; 1,000, \$50.00.

Feu Brilliant (25 in.) Glowing vermilion, blue and white base. Per doz., \$1.10; 100, \$7.00; 1,000, \$67.50.

Harry Veitch (24 in.) Brilliant blood-red with slightly lighter margin; blue base. Immense blooms on stout stems. An extremely brilliant color that lasts well. Per doz. 90c; 100, \$6.00; 1,000, \$55.00.

King George V An immense flower of brilliant cherry-rose with a light blue base on a tall, strong stem. The color is dazzling in its brilliance, and this is without doubt one of the finest and most beautifully formed Darwin tulips, worthy to bear a royal name. Height, 28 inches. Doz., \$1.90; 100, \$14.00.

King Harold (24 in.) Deep purple-red with white base, a beautiful variety for the garden, standing the weather well, good forcer. Per doz., 80c; 100, \$5.50; 1,000, \$52.50.

Nauticus (25 in.) Glowing dark cerise, center violet and bronze. Per doz., 80c; 100, \$5.50; 1,000, \$50.00.

Orion Dark scarlet with blue base; enormous flower of brilliant coloring. Height, 24 inches, extra for forcing. Doz., \$1.00; 100, \$6.50; per 1,000, \$60.00.

Petrus Hondius (28 in.) Bright carmine-rose, the most brilliant color in Darwins. Per doz., \$1.00; 100, \$6.50; 1,000, \$60.00.



Mixture of Darwin Tulips

Special Mixture, made up by ourselves from best distinct kinds. Per doz., 80c; 100, \$5.50; 1,000, \$50.00.

Regular Mixture, splendid value for mixed beds and cutting. Per doz., 70c; 100, \$4.50; 1,000, \$40.00.



Pride of Haarlem (28 in.) Bright rose suffused with purple; an enormous flower unsurpassed for groups because of its fine color and stately habit. Per doz., 80c; 100, \$5.50; 1,000, \$50.00.

Prince of Wales Bright cherry-red with a white base finely striped blue. Enormous flower on a tall, stiff stem. Height, 28 inches. Doz., \$1.60; 100, \$11.00; 1,000, \$100.00.

Prince of the Netherlands Glowing cerise, flushed salmon-rose, with a small, light blue base. Extra large flower of striking color and great substance, borne on a tall stem. Height, 30 inches. Doz., \$1.00; 100, \$6.50; 1,000, \$60.00.

Prof. Rawenhoff (28 in.) Cherry-rose with ivory-white and blue base. Enormous, attractive flower. Per doz., 80c; 100, \$5.50; 1,000, \$50.00.

Queen Mary Lovely shade of cerise-scarlet, edged deep pink, with bright blue base. A large flower of a very clear color. Height, 28 inches. Doz., \$1.15; 100, \$7.50; 1,000, \$70.00.

Scarlet Beauty Beautiful fiery scarlet, one of the best Darwin Tulips for outside planting, possessing a straight, strong stem, and a flower that lasts a long time and keeps its color well. Doz., \$1.10; 100, \$7.00; 1,000, \$65.00.

Whistler (25 in.) Vivid maroon-crimson with a blue base and white halo. This variety has the characteristic of producing more than one stem to a bulb, each stem having two or more flowers. On one occasion five blooms were observed from one bulb. This, of course, does not always occur, but it has been observed so often in this variety we call it a characteristic and not a freak growth as is sometimes seen in other tulips. Doz., 90c; 100, \$6.00; 1,000, \$55.00.

William Pitt (22 in.) Very dark scarlet with purple shade on the outer petals; large flower. Per doz., 90c; 100, \$6.00; 1,000, \$55.00.

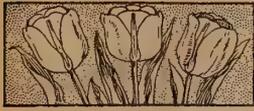
White and Blush

Gretchen (23 in.) Pale flesh-pink, changing to light peach-pink. Large egg-shaped bloom. Per doz., 75c; 100, \$5.00; 1,000, \$47.50.

Painted Lady (27 in.) Creamy white, faint tinge of heliotrope. Per doz., 90c; 100, \$6.00; 1,000, \$55.00.

Porthos Wonderful addition to the rather small class of pure white Darwin Tulips. The flower is of excellent form and purest white. Yellow anthers harmonize with its whiteness and enhance its chaste beauty. An interesting fact about this beautiful tulip is that when extraordinarily well grown it carries an extra petal. Each, \$1.50; Doz., \$15.00.

White Queen (24 in.) White, passing to pink. Per doz. 90c; 100, \$6.00; 1,000, \$55.00.



Darwin Tulips



Pink and Rose Shades

Afterglow (26 in.) Deep orange suffused with salmon and salmon edge. Large flower of good substance and unusual coloring. Carried on a tall, stately stem. Per doz., \$1.15; 100, \$7.50; 1,000, \$70.00. (Illustrated on Inside Front Cover.)

Aphrodite (30 in.) Clear silvery pink, deeper within, large oval-shaped flower on tall, strong stem. A most beautiful tulip. Doz., \$1.75; 100, \$12.00; 1,000, \$115.00.

Baronne De La Tonnaye (26 in.) Bright rose, margined blush-rose; long, large flower, beautifully shaped. Per doz., 80c; 100, \$5.50; 1,000, \$50.00.

Centenaire (30 in.) Rich violet-rose with large blue center, immense flower of perfect shape, splendid forcer. Per doz., 80c; 100, \$5.50; 1,000, \$50.00.

Cherry Blossom A sport of the magnificent *Pride of Haarlem*, probably the most popular tulip in existence. This offspring, besides having its own good qualities, possesses all of its parents, and tends to bid for some of *Pride of Haarlem's* popularity. The color is a beautiful, bright cherry-pink, delicately edged white with a bluish white base. Per doz., \$1.75; 100, \$12.00; 1,000, \$110.00.

Clara Butt (20 in.) Bright shrimp pink, paler edges. Perfect bloom of medium height, white base, midseason, lasts well. The best pink Darwin. Per doz., 75c; 100, \$5.00; 1,000, \$45.00.

La Fiancee Deep rose, shading to old-rose and delicate pink at the edges, with blue base. A splendid variety of large size and very effective when planted with mauve and dark lavender sorts. Height, 30 inches. Doz., \$1.30; 100, \$8.50; 1,000, \$80.00.

Le Notre (27 in.) Beautiful rose shaded blush, extra early variety, very fine for indoor growing. Per doz., 90c; 100, \$6.00; 1,000, \$55.00.

Matchless (Roi d'Islande.) Soft old-rose, with a narrow white border; inside soft violet-rose with a blue base. A very beautiful soft color and one that forces splendidly. Height, 26 inches. Doz., \$1.25; 100, \$8.00; 1,000, \$75.00.

Massachusetts (25 in.) Deep rose-banded petals with very distinct pale rose edges. Long oval blooms on strong, erect stems. Blossoms early and cut blossoms last well. Per doz., 80c; 100, \$5.50; 1,000, \$50.00.

Mme. Krelage (27 in.) Very similar to *Massachusetts*, but the central pink band is a shade lighter and blends into the pale border. Earlier than *Massachusetts* and tones off into lighter shades all over. Per doz., 80c; 100, \$5.50; 1,000, \$50.00.

Princess Elizabeth (Syn. *Julie Vinot*.) (26 in.) Large flower; soft rich rose toning to silvery rose at edges. Inside deep rose, white base. Highly recommended. Per doz., 80c; 100, \$5.50; 1,000, \$50.00.

Psyche Soft salmon-rose, very lovely; borne on long, stiff stems. Per doz., 90c; 100, \$6.00; 1,000, \$55.00.

Queen of Hearts (Formerly *Apple Blossom*) A beautiful soft rose sport of the old standby, *Farncombe Sanders*, with steel blue anthers and pure white base. A very valuable addition to the rather limited class of Darwin tulips which may be grown indoors. Each, \$1.00; doz., \$10.00.

Sieraad Van Flora (24 in.) Bright rosy pink flower, shaded with lilac; blue base. Very effective. Per doz., 80c; 100, \$5.50; 1,000, \$50.00.

Suzon (22 in.) Pale blush pink outside, rosy pink inside. Blue and white base. A distinct and desirable tulip as a companion to some of the dark shades. Per doz., \$1.00; 100, \$6.50; 1,000, \$60.00.



THE DARWIN TYPE

Venus The large flower is of exquisite rose, with a white center slightly edged light blue, while the petals possess a peculiar, silvery sheen. A grand exhibition tulip. Height, 30 inches. Doz., \$2.00; 100, \$17.00.

Lacinated Darwin

Sundew This flower is something entirely new in tulips. The curved petals are provided with barbs, giving the edges of the flower a fringed effect. It is said to be a natural sport of the popular variety *Bartigon*, retaining the brilliant crimson coloring and magnificent size of its parent. Doz., \$2.50; per 100, \$18.00.

Wheaton Collection DARWIN TULIPS

Ten each of the following representative varieties of Darwin Tulips (100 first size bulbs) will be \$650 sent postpaid for.....

- 10 Afterglow, salmon orange
- 10 Ariadne, rose
- 10 Bleu Aimable, violet
- 10 Prince of Netherlands, rose
- 10 Dream, lavender
- 10 La Tristesse, mauve
- 10 Faust, blue purple
- 10 Centenaire, rose.
- 10 Princess Elizabeth, pink
- 10 Whistler, crimson,

This collection of 100 bulbs of the wonderfully blended Darwin varieties will provide your garden with a display of which you may well be proud.

Violet, Black and Shades of Purple

Anton Mauve Enormous flower of beautiful violet, bordered soft, grayish white. A gorgeous variety that looks exceedingly well in combination with the lighter shades. Doz., \$1.60; 100, \$11.00; 1,000, \$100.00.

Bleu Aimable Bright violet-purple, with distinct steel blue shading, inside dark violet-purple, with blue base starred white; a very distinct and handsome tulip of large size and shapely form. Height, 26 inches. Doz., \$1.10; 100, \$7.00; 1,000, \$67.50.

Dream (25 in.) Pale violet changing to lavender, with lighter edge, clear blue base. Early and keeps its color. Per doz., \$1.00; 100, \$6.50; 1,000, \$62.50.

Faust Illustrated on back cover. (30 in.) Dark satiny purple with blue base, very large and well formed, good forcer. Per doz., \$1.35; 100, \$9.00; 1,000, \$85.00.

Gryphus Brilliant dark violet-purple, with center of petals at base marked blue in a white base. The flower is very large. Height, 26 inches. Doz., \$1.15; 100, \$7.50; 1,000, \$70.00.

La Tulipe Noire Nearest of all to the black color. Per doz., \$1.15; 100, \$7.50; 1,000, \$70.00.

La Tristesse (Dolores) (25 in.) Slaty mauve with silvery margin and a violet and bronze reverse. A splendid contrast with the yellow Cottage tulips. Per doz., \$1.15; 100, \$7.50; 1,000, \$70.00.

Melicette A beautiful shade of lavender with well shaped cup. Doz., \$1.30; 100, \$8.50; 1000, \$80.00.

Mrs. Potter Palmer (26 in.) Deep reddish purple, with dark blue base. A striking and distinct tulip. Per doz., \$1.15; 100, \$7.50; 1,000, \$70.00.

Philippe de Commines Velvety dark violet. Per doz., \$1.00; 100, \$6.50; 1,000, \$60.00.

Raphael Deep maroon-purple of rich tone, with blue base starred white. Very tall, big flower of sturdy character. The best reddish purple. Height, 30 inches. Doz., \$1.35; 100, \$9.00; 1,000, \$85.00.

Rev. H. Ewbank (20 inches) Deep lilac, toning at the edges to pale lavender. Lighter in color and not so tall as *Dream*, white base. Distinct flat, open flower. Lasts well. Most popular of this shade. Per doz., 90c; 100, \$6.00; 1,000, \$55.00.

The Sultan (24 in.) Deep maroon-black, brownish margin. Per doz., 80c; 100, \$5.50; 1,000, \$50.00.

The Bishop A magnificent large flower of clear, deep violet, with a blue base circled by a white halo. A beautiful tulip of good form. Height, 29 inches. Each 50c; Doz., \$5.00.

Valentine A magnificent large, shapely Darwin tulip. A light violet with a blue base. Height, 22 inches. Doz., \$1.30; 100, \$9.00; 1,000, \$85.00.

William Copeland Syn. *Sweet Lavender*. The best Darwin tulip for forcing. It may be grown in the house as easily as the early tulips. Also fine for the border. When grown outside, color is rosy lilac. When forced, color is beautiful lavender. Per doz., 90c; 100, \$6.00; 1,000, \$55.00.

Zulu (27 in.) Rich, velvety, purple-black; large cup-shaped flower. Per doz., \$1.15; 100, \$7.50; 1,000, \$70.00.



Rembrandt Tulips



REMBRANDT tulips are in reality "broken" forms of Darwin tulips. Broken tulips, on account of their odd colorings and variegations, were very popular at one time, and while the modern tendency to favor self-colors is recognized generally throughout all countries, these broken forms possess splendid decorative value. The stems average from 18 to 22 inches in height.

Apollo Lilac rose and white striped dark carmine. Doz., \$1.10; 100, \$7.50; 1,000, \$70.00.

Julienne Rose, striped and feathered carmine-purple and white. Edges of petals broadly blotched white. Doz., \$1.10; 100, \$7.50; 1,000, \$70.00.

Red Prince Rose-flamed fiery red. Doz., \$1.10; 100, \$7.50; 1,000, \$70.00.

Semele White, heavily striped and feathered, vivid rosy pink. Large, of exquisite coloring. Doz., \$1.10; 100, \$7.50; 1,000, \$70.00.

Vesta Lilac, striped and flamed dark carmine. Doz., \$1.10; 100, \$7.50; 1,000, \$70.00.

Zenobia Amaranth and white, feathered brilliant brown. Doz., \$1.10; 100, \$7.50; 1,000, \$70.00.

Extra Fine Mixed
 Doz., \$1.00; 100, \$6.50; 1,000 \$60.00.



Cottage Tulips



AS WITH the Darwin and Breeder types, the classification of Cottage tulips is by race and history, rather than any striking difference in appearance. This type is inclined to have pointed petals, sometimes turned back, and the blossom to be smaller and more slender. But they harmonize perfectly with the Darwins and Breeders and supply a quality of clear, bright color which these lack; while they have pure yellows not found in others. Every known shade is to be found among these, from deepest crimson to bright red, orange, glorious yellows, pink and a host of delicate tints of yellow, pink-cream and heliotrope. They blossom a few days later than the Darwins, often carrying the flowering period of Spring bulbs into the early days of June, especially if planted in a shady position. Many sweet-scented varieties are included, such as Ges. Lutea, G. Lutea Pallida and Mrs. Moon.

***For Pots.** When grown in pots, these, like the Darwin tulips, can be had in flower indoors during March and April, in a temperature not exceeding 55 degrees. Those best suited for growing in this way are marked*.

Parcel Post. Count twelve bulbs to one pound, fifty to four pounds; one hundred as seven pounds. Larger numbers are sent by express.

Pink and Rose Shades

Ambrosia This beautiful new variety of Cottage tulip contains a combination of shades—bronze with rosy lilac glow; inside of the large, well-shaped flower is a salmon-orange tone. Height, 22 inches. Doz., \$2.50; 100 \$18.00.

Carnation The old English Picotee: Snow-white, edged carmine rose. The rose margin of the petals is much wider than in Maiden's Blush. Doz., 90c; 100, \$6.00; 1,000, \$55.00.

***Dido** A large, well-formed flower of rich orange-rose tone, with margin of bright orange-yellow, inside bright orange with yellow base. Height, 24 inches. Doz., \$3.00; 100, \$22.00.

George Mendal Carmine rose, inside salmon. Height, 24 inches. Doz., \$1.30; 100, \$8.50; 1,000, \$80.00.

***Inglescombe Pink** (24 in.) Beautiful clear pink with amber tinge inside, later becoming pure pink. Per doz., 75c; 100, \$5.00; 1,000, \$45.00.

John Ruskin Large egg-shaped bloom of graceful form and habit. Flowers salmon-rose with pale yellow margin; inside heliotrope with golden border and base. One of the choicest in this list. Per doz., 90c; 100, \$6.00; 1,000, \$55.00. (Illustrated on Inside Front Cover.)

Lord Carnarvon Has a well defined band of clear bright pink on its magnificent pointed petals which makes it amazing. The tulip has an uncommon form, and the band or strip of pink makes it a wonderful flower. Height, 26 inches. Doz., \$2.00; 100, \$15.00.

Maiden's Blush (Picotee) (20 in.) A long-shaped flower, pure white recurved petals, margined rose. Per doz., 75c; 100, \$5.00; 1,000, \$45.00.

Lilac and White

***Fairy Queen** (20 in.) Oblong blooms of rosy heliotrope blending into a golden yellow at the edges of petals. Very distinct. One of the most beautiful of all. Per doz., 80c; 100, \$5.50; 1,000, \$50.00.

***Parisian White** (14 in.) Pure white, edged silvery pink, beautiful globe-shaped flowers. Per doz., 90c; 100, \$6.00; 1,000, \$55.00.

The Fawn (20 in.) Egg-shaped bloom of yellowish fawn color, blended with pale rosy lavender and blush-pink margin. One of the prettiest of all late tulips. Per doz., 80c; 100, \$5.50; 1,000, \$50.00.

Union Jack Light violet feathered purple with white markings. Very odd. Per doz., \$1.60; 100, \$11.00; 1,000, \$100.00.



MAIDEN'S BLUSH

Scarlet and Red Shades

Grenadier (24 in.) Brilliant orange-red. A new tulip of great beauty. Flowers long, borne on very graceful stems. Per doz., \$1.15; 100, \$7.50; 1,000, \$70.00.

Gesneriana Major (Spathulata Maj.) (24 in.) Rich crimson-scarlet, with blue basal blotch. One of the best of its color for large plantings especially in combination with yellow or white. Per doz., 80c; 100, \$5.50; 1,000, \$50.00.

Gesneriana "Orange Globe" (22 in.) Rich crimson-scarlet, shading to orange. A grand contrast with Gesneriana Lutea Pallida. Per doz., \$1.00; 100, \$6.50; 1,000, \$60.00.

Glare of the Garden (18 in.) Large egg-shaped blooms of rich velvety crimson, with black and gold base. Pronounced the finest of all late crimson tulips. Per doz., \$1.10; 100, \$7.00; 1,000, \$67.50.

***Inglescombe Scarlet** (16 in.) Brilliant vermilion with a black base. One of the best reds. Per doz., 80c; 100, \$5.50; 1,000, \$50.00.

***La Merveille** (20 in.) Extra large fragrant flower, suffused with apricot-orange. Per doz., 80c; 100, \$5.50; 1,000, \$50.00.

Nectar Fiery crimson, with white base, slightly reflexing petals. The flower is long, elegantly formed and very large. Doz., \$1.50; 100, \$10.00; 1,000, \$90.00. (Illustrated on Inside Front Cover.)

***Scarlet Emperor** (24 in.) Brilliant glowing scarlet. Flowers of gigantic size, cup-shaped, with clear yellow base. (Awarded 1st-class certificate R. H. S. England.) Per doz., \$1.60; 100, \$11.00; 1,000, \$100.00.



Vaughan's Special Mixture Cottage Tulips

AN excellent collection of named varieties, giving a dazzling display in mass. Splendid for cutting. Per doz., 90c; 100, \$6.00; 1,000, \$55.00.

Regular mixed. Per doz., 70c; 100, \$4.50; 1,000, \$40.00.



Yellow Shades

***Argo** This extraordinary variety is well taken by all who have seen it. While the flower is not large, it stands out amongst all others for its rich color. It is deep golden yellow, slightly penciled toward the top edges with orange, which deepens as the flower ages. Doz., \$1.75; 100, \$12.00. (Illustrated on Inside Front Cover.)

***Bouton d' Or** (16 in.) Round shapely blooms of the purest gold. Good for massing in beds or borders and very fine for vases when cut. Per doz., 80c; 100, \$5.50; 1,000, \$50.00.

***Columbus (Gala Beauty)** (18 in.) Medium pointed blooms of rich golden yellow, feathered and splashed with intense glowing scarlet. Sweet-scented. A delightful combination of color, distinct from all others. Per doz., \$1.60; 100, \$11.00; 1,000, \$100.00.

Ellen Willmott (20 in.) Long-pointed bloom of pale primrose-yellow, edged golden yellow. Sweet-scented. Per doz., \$1.00; 100, \$6.50; 1,000, \$60.00.

***Gesneriana Lutea** (20 in.) A very shapely bloom of the purest yellow; distinctly sweet-scented. One of the best yellow tulips in existence for color and perfume. Per doz., 80c; 100, \$5.50; 1,000, \$50.00.

***Inglescombe Yellow** (18 in.) A fine large, globe-shaped flower, color full rich yellow; sometimes called the Yellow Darwin. Per doz., 80c; 100, \$5.50; 1,000, \$50.00. (Illustrated on Back Cover.)

***Ixioides** (18 in.) Pure lemon-yellow, very distinct, pointed bloom similar to Ges. Lutea Pallida, but has a jet black base. When fully open, resembles a giant Ixia, from which it derives its name. Late and lasts. Per doz., \$1.00; 100, \$6.50; 1,000, \$62.50.

Marvel Amber-yellow, with rosy lilac flush at center of petals; inside bright yellow, shaded brown toward base with green star. Medium sized flower, becoming quite yellow with age. Height, 25 inches. Doz., \$1.20; 100, \$8.00; 1,000, \$75.00. (Illustrated on Inside Front Cover.)

Mrs. Moon (30 in.) This is beyond doubt the finest late yellow tulip in existence. The blooms are long and pointed, the outer petals reflexed. Distinctly perfumed. Highly recommended for large beds and borders. Per doz., \$1.20; 100, \$8.00; 1,000, \$75.00. (Illustrated on Back Cover.)

***Moonlight** (20 in.) Oblong blossoms of delicate pale yellow. Very distinct. Plant in semi-shade. Per doz., 90c; 100, \$6.00; 1,000, \$55.00.

Walter T. Ware (18 in.) Deep golden yellow, slightly shaded orange; the deepest and richest color among the late tulips; broad, globular flower, reflexing at the top, wonderfully handsome. After cutting this tulip in the garden while in full bloom, it lasted nearly two weeks inside, growing larger and more beautiful every day. Doz., \$1.60; 100, \$11.00; 1,000, \$100.00.

Bronze

Quaintness Golden brown, overlaid with rose, the interior mahogany-brown, with yellow base. A remarkable color scheme to be found among the Cottage tulips. A fine pointed flower, very charming among purple horned pansies. Height, 20 inches. Doz., \$1.75; 100, \$12.00.

Lake Geneva Collection COTTAGE TULIPS

Ten each of the following ten representative varieties of Cottage Tulips, (100 first size bulbs) will be \$6.00 sent postpaid for

- 10 Moonlight, pale yellow.
- 10 John Ruskin, salmon rose.
- 10 Gesneriana Major, scarlet.
- 10 Maiden Blush, white with rose margin.
- 10 George Mendal, carmine.
- 10 Mrs. Moon, fragrant yellow.
- 10 Glare of the Garden, crimson.
- 10 Fairy Queen, heliotrope.
- 10 The Fawn, yellow fawn.
- 10 La Merveille, orange.

This collection of 100 bulbs of the delightfully graceful, brilliantly colored Cottage Tulips will insure your garden a well balanced display.



Breeder Tulips



BREEDER tulips are closer to the parent type of this ancient flower than others. The origin of the tulip is hidden in the dim past. But we know that the Dutch fanciers who in 1634 to 1637 speculated in new varieties during the reign of tulipomania grew the "mother bulbs," or Breeder tulips, to produce new striped varieties by "breaking." The Darwin race is supposed to have developed from the Breeders. For a long time the dark, rich colors of the latter were neglected in favor of the brighter and clearer tones of the other types. But recently taste has changed, and the richly hued Breeders have come into favor.

They blossom in May, and though not so tall, perhaps produce, as a rule, even larger blossoms than the Darwins. The colors include many rare among flowers—browns, bronzes, purples, blue-blacks, deep mauves, dull gold and dark lilac all exquisitely blended.

Planting. Plant the same as Darwins. Parcel post weights are also the same.

Abd El Kader (30-in.) Large flower, dark bronze, shaded lighter at edge of petals, inside bronzy brown, olive green base. Doz. \$1.30; 100, \$8.50; 1,000, \$80.00.

Apricot (24 in.) Bronze shaded apricot, olive base, large flower. Per doz., \$1.10; 100, \$7.00; 1,000, \$65.00.

Attraction Light bluish violet, inside glowing purple, white base. Per doz., \$1.75; 100, \$12.00; 1,000, \$110.00.

Bacchus (28 in.) Dark violet-blue, very large flower, very handsome. Per doz., \$1.40; 100, \$9.50; 1,000, \$90.00.

Bronze Queen (28 in.) Soft buff, inside tinged golden bronze, good forcer. Per doz., 80c; 100, \$5.50; 1,000, \$52.50.

Cardinal Manning (28 in.) Wine-red, flushed rosy brown. Per doz., 90c; 100, \$6.00; 1,000, \$55.00.

Chestnut Very dark brown, almost black. Height, 24 inches. Doz., \$1.10; 100, \$7.00; 1,000, \$65.00.

Chester Jay Hunt Opening reddish violet, with a white base, the flower soon changes to blue-purple. It is large and loosely formed, of graceful habit, and exquisite color. Height, 28 inches. Doz., \$1.75; 100, \$12.00; 1,000, \$110.00.

Copernicus Dark coppery bronze, with a slight flush of bronzy old-rose; interior is a warm brown, with a yellow base. The flower large, carried upon a sturdy stem. Doz., \$1.15; 100, \$7.50; 1,000, \$70.00.

Coridion (24 in.) Chrome yellow, tinged purple. Per doz., \$2.50; 100, \$17.00; 1,000, \$160.00.

Don Pedro A beautiful shade coffee-brown, shaded maroon, inside rich mahogany. Per doz., \$1.35; 100, \$9.00; 1,000, \$85.00.

Feu Ardent (24 in.) Brilliant fiery red, good forcer. Per doz., \$1.15; 100, \$7.50; 1,000, \$70.00.

General Ney (25 in.) Old gold with olive. Large flower. Per doz., 90c; 100, \$6.00; 1,000, \$55.00.

Godet Parfait (30 in.) Bright violet, with white base, very large flower. Per doz., \$1.25; 100, \$8.00; 1,000, \$75.00.

Golden Bronze (24 in.) Beautiful bronzy yellow, good forcer. Per doz., \$1.10; 100, \$7.00; 1,000, \$65.00.

Heloise Enormous flower of fine form, deep magenta-red, with a yellow base edged olive. This variety bears our special recommendation. Height, 25 inches. Doz., \$1.75; 100, \$12.00; 1,000, \$110.00.

James Watt (25 in.) Brownish black, edged bronze. Very large and beautiful. Doz., \$2.00; 100, \$15.00; 1,000, \$140.00.

Jaune d'Oeuf (26 in.) Outside orange-red, inside orange, good forcer. Per doz., \$1.10; 100, \$7.00; 1,000, \$65.00.

Klopstock A very handsome tulip, lilac purple, margined lighter, inside rosy lilac, large pale yellow base with blue marks. 24 in. Doz., \$1.30; 100, \$8.50; 1,000, \$80.00.

La Douceur Beautiful violet blue, with a white base. The flower is large and delicately formed. Height, 32 inches. Doz., \$1.60; 100, \$11.00; 1,000, \$100.00. (Illustrated on Inside Front Cover.)

**Lake Forest Collection
BREEDER TULIPS**

Ten each of the following ten representative varieties of Breeder Tulips (100 first size bulbs) **\$700** will be sent, postpaid, for . .

- 10 Apricot, bronze
- 10 Bacchus, violet blue
- 10 Bronze Queen, soft buff
- 10 Feu Ardent, scarlet
- 10 Panorama, copper
- 10 Louis XIV, purple and gold
- 10 Prince of Orange, orange
- 10 Cardinal Manning, wine red
- 10 St. James, rosy lilac
- 10 Yellow Perfection, bronze yellow

This collection of 100 bulbs will insure your garden a well balanced display of the richly colored, artistic Breeder Tulips.

Le Mogol (26 in.) Clear lilac, flushed white. Per doz., \$1.25; 100, \$8.00; 1,000, \$75.00.

Louis XIV (36 in.) An immense flower, rich purple, with golden bronze margin; inside bronzy purple. A gigantic and very handsome tulip. Per doz., \$1.15; 100, \$7.50; 1,000, \$70.00. (Illustrated on Inside Front Cover.)

Lucifer (18 in.) Bright terra cotta-orange; very large. Per doz., \$1.75; 100, \$12.00; 1,000, \$110.00.

Madame Lethierry (26 in.) Salmon, very handsome. Per doz., \$1.15; 100, \$7.50; 1,000, \$70.00.

Marie Louise Rose flushed with yellow. A pleasing combination of colors. Per doz., 90c; 100, \$6.00; 1,000, \$55.00.

Marginata (Syn. Orange Perfection.) Apricot-orange, shaded light bronze and edged light yellow. A beautiful variety. Height, 28 inches. Doz., \$1.35; 100, \$9.00; 1,000, \$85.00.

Mrs. Becher Stowe A fine deep purple of good form and straight stem, very deep in color and uniform, and one of those with the velvety bloom on the outer petals which gives a tulip so rich a look in the garden. Each, 45c; doz., \$4.50; 100, \$30.00.

Marechal Victor Large flower of clear blue with a narrow buff border and yellow base. Height, 30 inches. Each, 75c; doz., \$7.50.

Old Times Dull purple, edged primrose yellow, with bronze interior and star-shaped yellow base. The flowers are rather long and somewhat pointed in form. One of the few tulips of English origin. Height, 23 inches. Doz., \$1.10; 100, \$7.00; 1,000, \$65.00.

Panorama (Fairy) (26 in.) Reddish, mahogany, good forcer. Per doz., 90c; 100, \$6.00; 1,000, \$55.00.

Pink Pearl A new Breeder and quite the finest of its color. The outside of the flower is a lilac pink, inside rose, with a beautiful white base. A magnificent, egg-shaped flower. Height, 26 inches. Each, \$2.50; doz., \$17.00; 100, \$160.00.

Plutarchus (26 in.) Bronze, shaded at base with terra cotta, a very handsome tulip. Per doz., \$1.10; 100, \$7.00; 1,000, \$65.00.

Prince of Orange Orange-scarlet, edged light yellow, flower of striking beauty. Per doz., \$1.20; 100, \$8.00; 1,000, \$75.00. (Illustrated on Inside Front Cover.)

Prof. Schotel An extremely handsome and large tulip of bright grayish violet. The flower is pointed and the best of its color. Height, 28 inches. Doz., \$1.15; 100, \$7.50; 1,000, \$70.00.

Queen Alexandria (23 in.) A beautiful new late tulip with a very elegant shaped flower, soft sulphur-yellow with black anthers. Per doz., 80c; 100, \$5.50; 1,000, \$52.50.

Roi De Siam A large flower of dark violet-purple, lighter towards the edges with white base. Doz., \$1.10; 100, \$7.00; 1,000, \$65.00.

Roi Soleil Rich, dark violet-blue, flamed bronze interior, feathered buff, with olive base. This dark sport of Louis XIV is very handsome, possessing all the good qualities of its parent, height, stiffness of stem, and the flower of this "Sun King" often surpasses Louis XIV in size and magnificence. Height, 28 inches. Doz., \$1.40; 100, \$9.00; 1,000, \$85.00.

St. James (28 in.) Dark rosy lilac, edged bronzy tan, with coppery rose flush at tips of petals; inside ruddy mahogany, edged golden brown with yellow and green base. A large flower on tall stem. Doz., 90c; 100, \$6.00; 1,000, \$55.00.

Superba (27 in.) Shining velvet-black, brown tinted. Per doz., \$1.10; 100, \$7.00; 1,000, \$65.00.

Turenne (25 in.) A remarkably fine tulip of rich purple, broadly margined amber. Inside brownish yellow. Per doz., \$1.15; 100, \$7.50; 1,000, \$70.00. (Illustrated on Back Cover.)

Velvet King (21 in.) Crimson-maroon, reflecting a purplish bloom; deep crimson inside. Creamy white base. Rounded petals. Distinct in color and shape from Zulu. Very fine. Per doz., \$1.30; 100, \$8.50; 1,000, \$80.00.

Violet Queen Large ruby-violet of stately habit. Per doz., \$1.10; 100, \$7.00; 1,000, \$65.00.

Virgilius A magnificent color of rich violet-purple, with a rather indistinct base, blending into the predominating color. The form of this tulip is very beautiful, the size of the flower large, and the stem strong. Height, 28 inches. Doz., \$1.45; 100, \$9.50; 1,000, \$90.00.

**Vaughan's Special
Mixture of Breeder
Tulips**

An excellent collection of this popular class of Tulips, including many rare colors. Per doz., 75c; 100, \$5.00; 1,000, \$45.00.



LUCIFER



Striped and Parrot Tulips



BREEDER TULIPS—Continued.

Vulcain (25 in.) Reddish apricot, with broad margin of bright buff-yellow, inside dark apricot, edged yellow, with dark green base, starred yellow. A flower of splendid form and in color unlike any other tulip. Per doz., \$1.40; 100, \$9.00; 1,000, \$85.00.

William the Silent Enormous, hand-some flower of dark violet-purple with white base. The cup is well opened, the stem strong, and the flower has a glossy sheen. Height, 26 inches. Each, 50c; doz., \$4.50; 100, \$35.00.

Yellow Perfection (24 in.) Light bronze-yellow. Per doz., \$1.10; 100, \$7.00; 1,000, \$65.00.

Lily Flowered Tulips

As the result of crossing the dainty pointed-petaled *Tulipa retroflexa* with a pink Darwin, we have here a new, very beautiful, and distinct race of Tulips having graceful, slightly reflexing flowers on tall, sturdy stems.

Adonis Long, fine shaped flower of a vivid rosy red. Doz., \$1.15; 100, \$7.50; 1,000, \$70.00.

Alaska Long-shaped flower, with slightly reflexing outer petals. The whole flower is a rich, golden yellow. A prize winner which is as beautiful as it is novel. Height, 27 inches. Each, 50c; doz., \$5.00; 100, \$40.00.

Artemis Bright carmine-rose, pure white base. Doz., \$1.00; 100, \$6.50; 1,000, \$60.00. (Illustrated on Back Cover.)

Sirene A very beautiful flower. Rich rose-pink with pale-pink at the margins of segments, white base. Fine forcer. Great exhibition flower of exquisite beauty. Doz., \$1.00; 100, \$6.50; 1,000, \$60.00.

Striped Tulips

THOUGH too gay for modern taste to serve in large plantations, the old-fashioned striped tulips are beautiful. They prove that the Dutch tulipomania was not without excuse, and no gardener who wishes his collection to be representative will be without some specimens.

Bizarres Mixed. Flowers beautifully blotched, pink, scarlet, rose, lilac and purple on yellow ground. Per doz., \$1.10; 100, \$7.00; 1,000, \$65.00.

Bybloemens Mixed. White ground, blotched, striped or feathered with lilac, purple, violet, blue. Per doz., \$1.10; 100, \$7.00; 1,000, \$65.00.

Parrot Tulips

THEIR fringed and corrugated petals with their wonderful variation make these old-fashioned flowers the most curious of all tulips. Flowering at the same time as other late sorts; they are entirely distinct from any other; the flowers are thick-petaled with extra long stems, and keep extremely well after being cut. The average height is 15 inches.

Admiral de Constantinople Red, tipped orange. Per doz., 80c; 100, \$5.50; 1,000, \$50.00.

Fantasy A remarkable Parrot Tulip with a straight, strong stem, a quality which has always been lacking in Parrot tulips. This variety is a sport of the well-known Darwin tulip, Clara Butt, and has the same clear pink color as its parent, combined with artistic form of a Parrot tulip. Each petal is over three inches long, and two inches across. The center of the petals on the outside are marked emerald green. Each, \$1.50; doz., \$15.00.

Lutea Major Bright yellow; large. Per doz., 80c; 100, \$5.50; 1,000, \$50.00.

Markgrave Yellow, striped scarlet and green. Per doz., 80c; 100, \$5.50; 1,000, \$50.00.

Perfecta Yellow, striped red. Per doz., 80c; 100, \$5.50; 1,000, \$50.00.

Couleur Cafe Brown and yellow. Per doz., 80c; 100, \$5.50; 1,000, \$50.00.

Cramoisie Brilliant Deep crimson with large dark center. Per doz., 80c; 100, \$5.50; 1,000, \$50.00.

Gloriosa Red and yellow. Per doz., 80c; 100, \$5.50; 1,000, \$50.00.

Mixed Superfine Per doz., 75c; 100, \$5.00; 1,000, \$45.00.



TULIP FANTASY
Clear Pink Parrot Type

Wild Tulip Species

For the Rock Garden and Hardy Plant Border

The general characteristics of the various species, all of which are natives of Asia Minor and Central Asia, are bright colors and recurved petals. These Tulips do not always feel happy in their new surroundings and after two, or possibly three, seasons they will disappear. With care and the provision of suitable quarters they will flower quite satisfactorily. They feel best contented in rock gardens and borders.

Australis (Celsiana) Yellow, tinged on outside of petals reddish bronze, a pretty species somewhat resembling *T. Sylvestris*, is found growing in Spain and Southern Europe. Height 16 inches. Flowering in April. Doz., \$1.75; 100, \$12.00; 1,000, \$110.00.

Clusiana "Lady" or "Candystick" Tulip. Outer petals bright cherry red, inner petals creamy white, with violet base; small flower, but very distinct. It should be planted in light soil 6 or 9 inches deep, in the rock garden or among stones in the front of the herbaceous border. A warm and sheltered situation should be chosen, where it will prove to be a gem among early flowers. Flowering season late April. Height, 8 inches. Doz., \$1.15; 100, \$7.50; 1,000, \$70.00.

Cornuta Stenopetala Beautifully formed flower, lacinated like a Parrot Tulip, but held upright on tall, stiff stem. Very interesting and curious in a collection. Color combination, scarlet and gold. Each, 60c; doz., \$6.00.

Eichleri A grand Tulip from Turkestan; immense crimson-scarlet flowers with glistening black center marked with gold. Flowers at the same time the single early tulips do. Has very pointed petals. Height 11 inches. Doz., \$1.75; 100, \$12.00; 1,000, \$110.00.

Florentina Odorata (Sylvestris) Deliciously fragrant butter-yellow blossoms, often two to a stem, with bronze exteriors, carried on slender, arching stem. Increases rapidly when once established. Interplant with Grape Hyacinths. Height, 18 inches. Doz., \$1.35; 100, \$9.00; 1,000, \$85.00.

Greigi Aurea Brilliant orange-scarlet, with deep yellow goblet-shaped flower, pointed, slightly reflexing petals and broad, thick leaves flushed with purple. Flowers in late April and May, and is a gorgeous Tulip. Wants a hot, dry situation. Height, 9 inches. Doz., \$2.50; 100, \$17.00; 1,000, \$150.00.

Kaufmanniana (The Water Lily Tulip). Large, creamy flower, brilliantly marked with carmine, yellow center. Flower opens flat and is carried on a stem usually 6 inches in height. Blooms early in April. The bulbs should be planted six inches deep. Splendid for naturalizing in shady places; self-sows freely. One of the first to flower. Height 5 to 7 inches. Doz., \$2.50; 100, \$17.00; 1,000, \$150.00.

Marjoletti Soft primrose, shaded carmine-red at base; a small flower of very attractive color. This tulip comes from Savoy, and flowers about the second week in May. Height, 14 inches. Doz., \$1.35; 100, \$9.00; 1,000, \$85.00.

Micheliana Glossy scarlet, shaded carmine, base and center black, bordered yellow, brown stripes in the leaves. Per doz., \$1.35; 100, \$9.00; 1,000, \$85.00.

Praecox A tall growing species from Southern Europe and Persia. Petals are slightly reflexed, the entire flower having a short and globular appearance. The outer petals are scarlet, inside scarlet shading to orange with black and yellow base. 18 to 20 inches tall. Doz., \$1.35; 100, \$9.00; 1,000, \$85.00.



TULIP CORNUTA STENOPETALA—An interesting species, fine for the Rock Garden



Double Early Tulips



THERE is a distinct revival of the popularity of double tulips. Coming a little later than the singles, they last much longer, and where the single and double are planted together the season of flowering is prolonged from two to three weeks. The double tulips require a soil more fertile than the singles for perfection of blossoms; and where well grown their mammoth peony-like flowers of delicate or brilliant coloring are most effective either in groups in the border, or in formal beds. The double tulips do very well when grown in pots for winter blooming, but they must be forced more slowly than the single tulips.

Explanatory. The number following the name of the variety denotes the height in inches, while the (a) and (b) indicate their earliness of bloom—the (a's) flower together and are earliest; the (b's) flower together, but are somewhat late.

Double Pink

Electra Magnificent, enormous flower; beautiful rose feathered violet; a handsome novelty, unexcelled for exhibition purposes. Per doz. \$1.60; 100, \$11.00; 1,000, \$100.00.

Lucretia 14b, deep rose. Per doz., 80c; 100, \$5.50; 1,000, \$50.00.

Murillo 7a (fancy), large pink, suffused white. Per doz., 75c; 100, \$5.00; 1,000, \$45.00.

Peach Blossom 8a, deep rosy pink, deepening with age to a deep rose. A very fine flower with a wonderful color. A new variety of superb quality. Per doz., \$1.10; 100, \$7.00; 1,000, \$65.00.

Queen of Pinks Beautiful rose pink. Doz., \$1.10; 100, \$7.00; 1,000, \$65.00. (Illustrated on Front Cover.)

Salvator Rosa 8a, beautiful rose, fine forcer. Per doz., \$1.10; 100, \$7.00; 1,000, \$65.00.

Triumphator A magnificent bright pink, the best of the several sports of the popular "Murillo." It is an improvement upon the variety "Peach Blossom," which has long been recognized as one of the best double pink tulips. It is more double, the color is much softer, and the form much better than the last named. Height, 11 inches. Doz., \$1.60; 100, \$11.00; 1,000, \$100.00.

Double Striped or Otherwise Colored

Mystery of India Terra Cotta with bronze and rose combination; large flowers on strong stem, for bedding only. Per doz., \$1.15; 100, \$7.50; 1,000, \$70.00. (Illustrated on Front Cover.)

Titian 8b, scarlet, edged yellow. Per doz., \$1.35; 100, \$9.00; 1,000, \$85.00. (Illustrated on Front Cover.)

Toreador Reddish orange and yellow. Per doz., \$1.50; 100, \$10.00; 1,000, \$95.00.

Tournesol 8a, Red and yellow; very showy. Per doz., \$1.15; 100, \$7.50; 1,000, \$70.00.

Double Yellow

Couronne d'Or (Crown of Gold) 10a, beautiful rich, golden yellow. Per doz., \$1.15; 100, \$7.50; 1,000, \$70.00. (Illustrated on Front Cover.)

Mr. Van der Hoef A yellow sport of Murillo with all its superb qualities. One of the very finest of the primrose-yellow Double tulips. A very lovely flower. Per doz., \$1.15; 100, \$7.50; 1,000, \$70.00.

Mr. Van Tubergen (18 in.) Beautiful golden yellow, a sport from Couronne d'Or. Large, exceedingly strong, full double flowers. A novelty which will soon replace its parent, Couronne d'Or. Doz., \$1.20; 100, \$8.00; 1,000, \$75.00. (Illustrated on Front Cover.)

Tea Rose 12b, yellow and apricot. Per doz., 90c; 100, \$6.00; 1,000, \$55.00.



A BED OF DOUBLE EARLY TULIPS

Collection

OF DOUBLE EARLY TULIPS

FOR INDOOR GROWING

25 Bulbs in 5 named varieties, our selection, postpaid **\$1.75**

50 Bulbs in 5 named varieties, our selection, postpaid **\$3.35**

100 Bulbs in 5 named varieties, our selection, postpaid **\$6.50**

Double Red

Imperator Rubrorum 9a, bright scarlet. Per doz., \$1.15; 100, \$7.50; 1,000, \$70.00.

L'Aurora Orange red, large flower on strong stem. This is one of the loveliest tulips amongst the double reds; when grown in pots the flower is large, but compact. Highly recommended. Doz., \$1.60; 100, \$11.00; 1,000, \$100.00. (Illustrated on Front Cover.)

Rubra Maxima 8b, dazzling scarlet. Per doz., \$1.15; 100, \$7.50; 1,000, \$70.00. (Illustrated on Front Cover.)

Vuurbaak 9b, bright scarlet, suffused orange. Per doz., \$1.10; 100, \$7.00; 1,000, \$65.00.

Double White

Boule de Nieve 10b, pure white. Per doz., \$1.00; 100, \$6.50; 1,000, \$60.00. (Illustrated on Front Cover.)

Schoonoord (White Murillo) 12b, pure white. Extra fine. Per doz., \$1.00; 100, \$6.50; 1,000, \$60.00.



Vaughan's Special

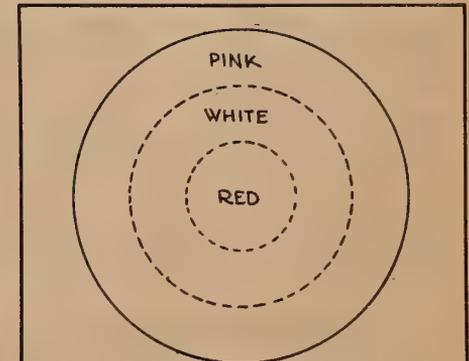
Mixture Made from the best named varieties that will bloom about the same time, and of about the same height. Do not compare this mixture with regular mixtures which are made up by the Holland growers. Per doz., \$1.10; 100, \$7.00; 1,000, \$65.00.

Extra Fine Double

Mixed Per doz., 75c; 100, \$5.00; 1,000, \$47.00.

A Splendid Late Double Tulip

Bleu Celeste (Blue Flag) Blooming in May with the Cottage tulips, this magnificent variety makes a wonderful showing in the herbaceous border, or in the partial shade of low shrubs. The blooms are large and very double (resembling a good double peony), a delightful shade of pale bluish purple and are borne on long stems, making them splendid decorative flowers. Per doz., \$1.80; 100, \$13.00; 1,000, \$120.00.



SPECIAL OFFER DOUBLE TULIP BEDS—

Early Flowering

We can furnish at a special price bulbs for circular beds in three colors, varieties to be our selection. Shallow-rooted plants can be grown in these beds without removing the tulips, except once in three years. For planting in parkways these beds are ideal. Plant the bulbs either 4 or 6 inches apart.

For 3-ft. bed, planted 4 in. apart, 96 tulips, 32 each, pink, white and red, \$6.00, postpaid.

For 3-ft. bed, planted 6 in. apart, 36 tulips, 12 each, pink, white and red, \$2.00, postpaid.

For 4-ft. bed, planted 4 in. apart, 126 tulips, 42 each, pink, white and red, \$7.50, postpaid.

For 4-ft. bed, planted 6 in. apart, 60 tulips, 20 each, pink, white and red, \$3.75, postpaid.

Vaughan's
 Special
 Mixture
 100
 \$7.00



Single Early Tulips



TULIP FRED MOORE, Orange

Yellow and Orange

- Chrysolora** 8b, golden yellow; fine bedder. Per doz., \$1.25; 100, \$8.00, \$75.00.
- Fred Moore** 10b, deep orange, edged yellow. Per doz., \$1.00; 100, \$6.50; 1,000, \$60.00.
- De Wet** 10a, beautiful deep orange, shaded golden yellow at the base of the petals. A very fragrant flower and one of the finest newer sorts in cultivation. There is no other orange variety which equals it in brilliancy. It is therefore one of the showiest bedders, and as it forces splendidly we can recommend it for all purposes. Per doz., \$1.90; 100, \$14.00; 1000, \$130.00.
- King of Yellows** 9a, deep golden yellow. Per doz., \$1.25; 100, \$8.00; 1,000, \$75.00.
- Mon Tresor** 7a, pure yellow; large cup. Per doz., \$1.40; 100, \$9.50; 1,000, \$90.00.
- Rising Sun** Per doz., \$1.35; 100, \$9.00; 1,000, \$85.00.
- Yellow Prince** 8a, golden yellow, fine forcer. Per doz., \$1.00; 100, \$6.50; 1,000, \$60.00.

Striped or Margined

- Duc de Berlin** 6a, clear scarlet, edged yellow. Per doz., \$1.15; 100, \$7.50; 1,000, \$70.00.
- Keizerskroon** 10b, red with distinct wide golden border, one of the finest. Per doz., \$1.50; 100, \$10.00; 1,000, \$95.00.
- President Lincoln** 7b, light violet. Per doz., \$1.15; 100, \$7.50; 1,000, \$70.00.

le Early Mixed
70c; 100, \$4.50;
1,000, \$40.00

's Special Mixed

100, \$5.50;
1,000.



TWO OR THREE weeks of brilliant color in April, following the daffodils and preceding the Darwin tulips, are worth much to any garden. The early tulips alone can supply it; and among them can be found varieties to play almost any part your garden scheme demands. It is a mistake to think of the early tulips as all short-stemmed, and too bright in color. It is true their brilliancy cannot be excelled by any other class of their own family or any other flower family that we know. But there are also varieties of delicate tints and shades, as beautiful and with flowers as large as anything the May-flowering classes can produce. In height, 12 inches is not uncommon, and a graceful carriage fits these taller kinds to serve in any role a Darwin would grace.

Explanatory. The number following the name of the variety denotes the height in inches, while the (a) and (b) indicate their earliness of bloom—the (a's) flower together and are earliest; the (b's) flower together, but are somewhat late. The Duc Van Thol Tulips should be used for pots only.

**Collections
OF SINGLE EARLY TULIPS
FOR INDOOR GROWING**

25 Bulbs in 5 named varieties, our selection, postpaid. . . . \$2.00

50 Bulbs in 5 named varieties, our selection, postpaid. . . . \$3.75

100 Bulbs in 5 named varieties, our selection, postpaid. . . . \$7.25



TULIP KEIZERSKROON

Pink and Rose

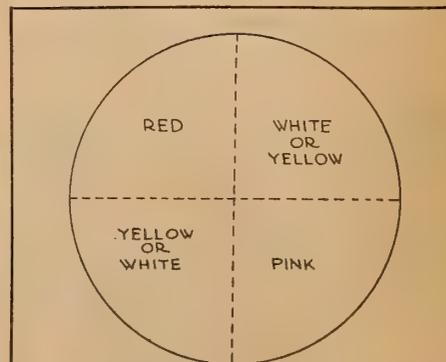
- Diadem** A very beautiful, large flowered, pearly pink tulip, with the interior slightly darker rose pink. This variety is outstanding because of its extreme earliness and tall, strong stem. Height, 19 inches. Each, 65c; doz., \$6.00; 100, \$45.00.
- Flamingo** 8a, carmine-rose and white. Per doz., \$1.00; 100, \$6.50; 1,000, \$60.00.
- Hobbema** Old-rose, flushed buff; a very large, globular flower with rounded petals and carried on a strong stem. A tulip of remarkable coloring, and very beautiful when grown out-of-doors. Fine for late forcing; if forced early the color is not so clear. Height, 13 inches. Doz., \$1.15; 100, \$7.50; 1,000, \$70.00.
- Pink Beauty** 12b, bright rose-pink shading to blush-white. Per doz., \$1.90; 100, \$14.00; 1,000, \$135.00.
- Proserpine** 9a, glossy pink, early. Per doz., \$1.35; 100, \$9.00; 1,000, \$85.00.
- Rose Gris de Lin** 7b, delicate rose, flushed white. Per doz., \$0.80; 100, \$5.50; 1,000, \$50.00.
- Rose Luisante** 7b, brilliant deep pink. Per doz., \$1.10; 100, \$7.00; 1,000, \$65.00.

Single Scarlet and Crimson

- Artus** 7b, a splendid deep scarlet. Per doz., 75c; 100, \$5.00; 1,000, \$45.00.
- Belle Alliance** 8b, brilliant scarlet. Per dozen, \$1.00; 100, \$6.50; 1,000, \$60.00.
- Brilliant Star** 8a, bright glowing scarlet; very early. Per doz., \$1.00; 100, \$6.50; 1,000, \$60.00.
- Couleur Cardinal** 8a, crimson. Per doz., \$1.10; 100, \$7.00; 1,000, \$65.00.
- Prince of Austria** 8a, orange-vermilion. Per doz., \$1.10; 100, \$7.00; 1,000, \$65.00.
- Vermilion Brilliant** 7b, dazzling vermilion-scarlet, fine for pots. Per doz., \$1.10; 100, \$7.00; 1,000, \$65.00.

Single White

- Diana** 14b, pure glistening white, with a yellow base; long flower of handsome shape. A fine new tulip which grows more beautiful as it ages. Per doz., 80c; 100, \$5.25; 1,000, \$47.00.
- La Reine** 8b, white, shaded rose. Per doz., 80c; 100, \$5.25; 1,000, \$47.00.
- La Reine Maxima.** A lightly flushed white tulip of large size. Makes charming beds with lavender violas. Splendid for forcing. Height 13 inches. Per doz., \$1.00; 100, \$6.50; 1,000, \$60.00.
- Lady Boreal** 8b, pure white, splendid. Per doz., \$1.10; 100, \$7.00; 1,000, \$62.50.
- White Swan** 15b, pure white. Per doz., 80c; 100, \$5.50; 1,000, \$50.00.
- White Hawk** 7a, white; very fine. Per doz., \$1.00; 100, \$6.50; 1,000, \$60.00.



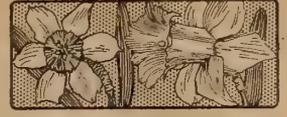
SPECIAL OFFER SINGLE TULIP BEDS—Early Flowering

We can furnish at a special price, bulbs for circular beds in four colors, varieties to be our selection. Shallow-rooted plants can be grown in these beds without removing the tulips, except once in three years. For planting in parkways these beds are ideal. Plant the bulbs either 4 or 6 inches apart.

- For 3-ft. bed** planted 4 in. apart, 96 tulips, 24 each, red, white, yellow and pink \$6.00, postpaid.
- For 3-ft. bed** planted 6 in. apart, 36 tulips, 9 each, red, white, yellow and pink, \$2.50, postpaid.
- For 4-ft. bed** planted 4 in. apart, 128 tulips, 32 each, red, white, yellow and pink, \$7.50, postpaid.
- For 4-ft. bed**, planted 6 in. apart, 60 tulips, 15 each, red, white, yellow and pink, \$3.50, postpaid.



Daffodils or Narcissi



COMING in March or April, Narcissi or Daffodils, are the first of the flowers that dominate. They are most pleasing in natural arrangements. They like to nestle at the feet of shrubs. Once planted they need not be lifted until they crowd. Naturalized, the Leedsii, Poeticus and Incomparabilis classes thrive best.

The yellow large trumpets like a fairly heavy soil, while the white trumpets and Leedsii take more kindly to a sandy soil. Do not use fresh manure, but fertilize only with bone meal. Plant the bulbs six inches deep and the same distance apart, in a deep, well worked soil.

Trumpet Variety

Emperor A magnificent sort. The entire flower is a rich yellow; trumpet of immense size and petals so broad that they overlap. Three of these bulbs planted in a 6-inch pot will make a splendid show. Large bulbs, each, 20c; per doz., \$2.00; 100, \$15.00.

Glory of Sassenheim A large showy flower with broad, imbricated creamy white perianth and bright canary yellow bold trumpet, well expanded at mouth. Height, 18 in.; a good early forcer. Each, 20c; per doz., \$2.00; 100, \$15.00.

King Alfred "The King of Yellow Daffodils." Tall, vigorous, golden yellow flower, of elegant form. The expanded trumpet measures 2½ inches in diameter, the perianth proportionately large and segments gracefully twisted. Height, 24 inches. Mammoth bulbs. Each, 30c; doz., \$2.75; 100, \$20.00.

Olympia A giant flower rivaling Van Waveren's giant in size; sulphur-yellow perianth, handsome yellow frilled trumpet. Each 30c; doz., \$2.75; 100, \$20.00.

Robert Sydenham The heavily frilled trumpet of golden yellow, glittering as if sprinkled with gold dust, is backed by a symmetrical soft sulphur yellow perianth. The length of the stem and the quality of the foliage match the blooms. Free flowering and a good propagator. Entirely hardy. Each, 35c; per doz., \$3.50; 100, \$25.00.

Sir Francis Drake Clear yellow, large, very early, long stemmed cutflower and showy variety. Each, 35c; per doz., \$3.50; 100, \$25.00.

Spring Glory Very early, perianth pure white, trumpet golden yellow. Each, 30c; per doz., \$2.75; 100, \$20.00.

Tresserve A handsome hybrid of Golden Spur X Emperor, flower very large with slightly campanulate canary-yellow perianth and a very bold rich yellow trumpet with wide expanded brim deeply flanged and measuring 2¼ inches across. Height, 17 in.; a fine exhibition variety. Each, 35c; per doz., \$3.50; 100, \$25.00.

Van Waveren's Giant The largest of all trumpets, perianth primrose, trumpet bright orange-yellow. Each, 35c; per doz., \$3.50; 100, \$25.00.

True Jonquils

Jonquils are graceful, sweet-scented flowers which thrive well in a moist, shady position in borders. Flowers are arranged on the stem in a cluster; the growth is light.

Odorus Campernelli A native of France. Perianth and cup full yellow, several flowers to stem. Height 18 inches. Each, 15c; doz., \$1.60; 100, \$12.00.

Odorus Rugulosus A fine large-flowered form, almost a self bright yellow, perianth broad and solid, crown straight and broadly fluted at margin. Height, 18 in. Each, 15c; per doz., \$1.60; 100, \$12.00.

Poeticus

The pure white perianth and all-red or picotee cup, and delicious perfume, peculiar to itself, makes this one of the most popular of all Narcissi.

Alba Plena Ordorata The well-known double white, scented form of Poeticus; sometimes called the gardenia-flowered Narcissus. Late-flowering, and will not force. Best suited for beds or naturalizing. Each, 15c; doz., \$1.50; 100, \$10.00.

Horace Snow-white perianth, dark red cup. Each, 15c; doz., \$1.50; 100, \$10.00.

Ornatus A much improved form of the ordinary Poeticus, producing larger flowers and appearing two weeks earlier; for this reason they are especially adapted for forcing and make a splendid cut-flower. Large bulbs. Each, 15c; doz., \$1.50; 100, \$10.00.

Poeticus (Common Pheasant's Eye) The Narcissus for garden planting; pure white with scarlet-edged cup or eye. Fine for naturalizing, being hardy and increases readily in numbers; late. Each, 12c; doz., \$1.25; 100, \$8.00.



TRESSERVE

Leedsii

All have white perianths with white or sulphur trumpets. Most beautiful classes for cutting of all daffodils.

Evangeline Pure white perianth, lemon-yellow cup. Each, 15c; doz., \$1.50; 100, \$10.00.

Mrs. Langtry A remarkably free-flowering variety, broad white perianth, and white cup opening pale primrose. Valuable for naturalizing. Each, 15c; doz., \$1.50; 100, \$10.00.

White Lady White, pale canary cup with a delicate perfume. A flower not unlike a small Eucharis Amazonica; extremely hardy and free flowering. About 22 inches in height. Once established it never gives up, supplying more flowers every year. When the breezes gently stir the flowers on our fields, the rows of White Lady look like ripples on a sea of liquid. Each, 15c; doz., \$1.60; 100, \$12.00.

Mixture for Naturalizing

Our Special mixed contains all the high price Trumpet, Leedsii, Star and Poeticus types which we imported before Quarantine 37 went into effect and should not be compared with cheap mixed offered by many.

Vaughan's Special Mixed. Doz., \$1.00; 100, \$6.50; 1,000, \$60.00.

Regular Mixed. Doz., 80c; 100, \$5.50; 1,000, \$50.00.

Poetaz

Crossing of Poeticus and Polyanthus varieties produced this perfectly hardy strain of bunch-flowering Narcissus. Do well planted in pots for winter flowers.

Elvira Pure white with yellow eye, large flower of remarkably good substance; very long-stemmed, 3 to 4 flowers on a stem. Each, 15c; doz., \$1.60; 100, \$12.00.

Laurens Koster Perianth white, cup light orange-yellow. Each, 15c; doz., \$1.60; 100, \$12.00.

Barrii

Their pedigree is similar to the Incomparabilis type, but they inherit more of the Poeticus character in having the cups less than one-third of the length of the perianth segments (petals) and more of the red parent blood suffused through the cup.

Blood Orange Broad, creamy perianth, cup brilliant orange-red, very showy. Height, 18 in.; it should be cut young to preserve color. Each, 15c; per doz., \$1.60; 100, \$12.00.

Conspicuous A flower of exquisite beauty, unexcelled for cutting; large, broad-spreading perianth; broad, short cup, conspicuously edged bright orange-scarlet. Lasts long in water. Each, 15c; doz., \$1.50; 100, \$10.00.

Firebrand The combination of creamy white petals and glowing red fluted cups really suggests live bits of coal resting on sheer inflammable material. A small flower when compared to the latest introductions, but not inferior to any of the most expensive in brilliancy. We have picked seven flowers from a two year old plant. Fine color plate on request. Each, 15c; doz., \$1.60; 100, \$12.00.

Red Beacon Ivory white perianth, brilliant orange scarlet cup. Later than Red Chief but superior in form and color. Each, 35c; doz., \$3.50; 100, \$25.00.

Watchfire Pale sulphur poeticus perianth, dark orange cut; exquisite novelty. A Chinese red cup set on a saucer of new gold. Each, 50c; doz., \$5.00; 100, \$35.00.

Incomparabilis

This class includes many of the most beautiful and useful Daffodils for bedding, naturalizing and border planting. Strong growers, hardy and free bloomers. Forced for winter flowers, they are splendid.

Bernardino A very beautiful flower, with large, broad, creamy perianth and a very large pale cup, prettily fluted and heavily stained deep apricot-orange. A good free grower. Height, 22 in. Each, 30c; per doz., \$2.75; 100, \$20.00.

Homespun A refined flower with large, rounded, light yellow perianth, well imbricated, and a large, rich, yellow frilled crown. Height, 16 in. Each, 25c; per doz., \$2.50; 100, \$18.00.

Lucifer For color, a very showy flower; perianth white, cup an intense glowing orange-red, color lasting well in the sun, strong grower and free bloomer. Height, 17 in. A fine bedder, and will also bear gentle forcing. Each, 15c; per doz., \$1.60; 100, \$12.00.

Sir Watkin A well-known daffodil, excellent for large plantings, or growing in pots. Full perianth of pure yellow with large, rich, golden trumpet. Large size. Each, 15c; doz., \$1.60; 100, \$12.00.

Whitewell One of the very best of the bi-color Incomps. Petals pure creamy white, bold open crown of that strong yellow which is a near approach to orange. Excellent size and texture. Slightly facing upwards from 18-inch stems. Recommended for bowls and shallow bulb pans. Attractive garden variety. Each, 35c; doz., \$3.50; 100, \$25.00.

Double Varieties

Sulphur Phoenix Identical with Orange Phoenix except that the interlacing is pale yellow passing to white. When full blown this makes a scintillating snow white flower of splendid form and size. Each, 20c; doz., \$2.00; 100, \$15.00.

Imcomparabilis Plenus The old "Butter and Eggs," light yellow. Very hardy. Entirely surpassed by the newer form called Primrose Phoenix. Each, 25c; doz., \$2.50; 100, \$18.00.

Von Sion The common Double Yellow Daffodil. The bulbs are large in size, the finest roots that we can select. Each bulb will bring two or three flowers. Each, 20c; doz., \$2.00; 100, \$15.00.



The Hardy Lilies



LILIAM Auratum



LILIAM Regale



LILIAM Canadense



LILIAM Rubrum

Many imported lily bulbs arrive in this country very late in the fall. Note carefully the arrival dates stated below. If freezing threatens before your bulbs arrive, cover the soil with a heavy mulch to keep it soft.

LILIES are so beautiful, so fragrant, we are likely to think them too fine for the amateur to grow. But many are hardy, thrifty flowers, capable of surviving conditions which would overcome flowers much less beautiful. Grow them in the border in small groups, with background, where their beauty has a suitable setting for its display. They blossom, as a rule, in midsummer, when fine flowers are at a premium.

Lilium Auratum Ready December

The Gold-Banded Lily of Japan—The most beautiful variety of all the lily family—should be in every garden. Flowers white, dotted crimson, with a clear golden band running through the center of each petal; very fragrant. A splendid lily for pots, or for planting out in the shrub or plant borders. In either way it is very handsome, its large flowers and delicious perfume make it one of the most valuable of all. It is perfectly hardy with ordinary protection and suitable soil.

First Size (8 to 9 in.), each, 35c; doz., \$3.50; 100, \$25.00.

Mammoth (9 to 11 in.), each, 45c; doz., \$4.50; 100, \$30.00.

Jumbo (11 to 12 in.), each, 65c; doz., \$6.50; 100, \$45.00.

Auratum Patyphyllum

(An Improved Auratum) Ready December

This is without a question one of the most wonderful lilies in cultivation. The leaves are very long and broad and the stems attain a height varying from 7 to 10 feet. The flowers are similar in color to Auratum, heavily spotted, but much larger.

First Size (8 to 9 inch), each, 45c; doz., \$4.50; 100, \$30.00.

Mammoth, (9 to 11 inch), each, 65c; doz., \$6.50; 100, \$45.00.

Jumbo (11-13 inch), each, 75c; doz., \$7.50; 100, \$55.00.

Lilium Auratum Pictum

Ready December

A very beautiful lily of recent introduction. The flowers are large, pure white in color, with the usual yellow band in the center of each petal, but in this novelty the tip of this band is splashed with red, while red dots replace the usual brown ones of the type. Give this lily as sharp a drainage as possible, preferably gravel or cinders covered with sand, with a layer of rich, friable soil overlaying the bulb, and you will be rewarded every year by a wealth of bloom, color, and fragrance. Plant six to eight inches deep.

Each, 50c; doz., \$5.00.

Lilium Bulbiferum

Ready October

It grows two to three feet high, has narrower and shorter leaves than Umbellatum, with more flowers, usually six to eight from each bulb. The cup-shaped flowers are orange-scarlet, slightly lighter in the center of each petal, while the entire flower is covered with small, black dots. Its chief garden value is in massing, and reliability of flowering. Each, 30c; dozen, \$2.75; 100, \$20.00.

Calla Lily—See Miscellaneous Bulb page.

Lilium Canadense

(Meadow Lily)—Ready October

The whole plant has a downward, graceful movement and looks like a slender, tiered green bellry ringing golden bells. The flowers are nodding, bell-shaped, with petals flaring out and turning back slightly. They are heavily dotted on the inside with purplish brown dots. Blooms the end of June to July. Should be planted five inches deep. It is an excellent lily for naturalizing.

Canadense Flavum—A golden yellow form. Each, 20c; Per three, 50c; dozen, \$2.00; 100, \$15.00.

Canadense Rubrum—Dark red. Each, 30c; Per three, 80c; dozen, \$2.75; 100, \$20.00.

Canadense Mixed—Each, 15c; Per two, 25c; dozen, \$1.50; 100, \$10.00.

Lilium Concolor Ready October

A very pretty Chinese lily, especially adapted to use in rockeries. Flowers are upright, starlike in form, deep vermilion. Blooms in July, 6 to 18 inches high. Plant four inches deep. Perfectly hardy in the most northern sections of the United States.

Each, 60c; dozen, \$2.75; 100, \$20.00.

Lilium Croceum Ready October

(Orange Lily) A beautiful, stately lily from the Alpine Mountains. Here it thrives in almost any soil, and endures the smoke of the city very well. The flowers are four to five inches in diameter, bright orange-red, with orange center, spotted in some places with purplish black. It is a handsome, showy, vigorous and long-lived lily which grows three to four feet high and blooms in June.

Each, 45c; per three, \$1.25; per dozen, \$4.50; 100, \$30.00.

Lilium Elegans Mixed

(Lilium Thunbergianum)—Ready October

A very beautiful group of showy Japanese Lilies flowering in June and July and growing 1½ to 2 feet high. The cup-shaped flowers range through the reds and yellows. This is a lily of easy culture, highly recommended for naturalizing, and excellent for rock-gardens. Each, 20c; dozen, \$2.00; 100, \$15.00.

Easter Lily—See Longiflorum Giganteum.

Lilium Hansonii Ready November

The flowers are a deep orange-yellow shade, spotted brown. It grows three to four feet high, blooming during the latter part of June. Although perfectly hardy, the bulbs, which should be planted six to eight inches deep, require a covering of straw or boughs of trees to keep them from starting into growth too early. Plant in semi-shade. Each, 60c; per three, \$1.70; dozen, \$6.50; 100, \$50.00.

Lilium Henryi Ready November

A very beautiful lily from central China growing all the way from four feet to eight feet, and often carrying as many as twenty bright orange-yellow, slightly spotted, reddish brown flowers in August. It is one of the very best lilies for general culture; hardy, robust, long-lived, growing in almost any soil and situation, although it requires good drainage. Each, 50c; dozen, \$5.50; 100, \$40.00.

Lilium Japonicum

(Formerly Lilium Kramerii)—Ready November

The flowers, a lovely shade of pale pink, are tubular, being held in a horizontal position. They first form a wide cup, and then the petals, with their frilly margins, spread out and curl around. Flowers in June. This lily is not an easy garden subject, and is best grown in pots which are kept in the cellar during the winter. Plant five inches deep, in a light, peaty soil which must be well drained.

Each 25c; per three, 60c; dozen, \$2.50; 100, \$18.00.

Lilium Longiflorum Giganteum

Easter Lily—Not Hardy—Ready October

This is the lily commonly grown for Easter blooming. Bulbs ready in November. The larger bulbs produce more blooms.

Small bulbs 7-9 inches in circumference. Each, 30c; dozen, \$2.75; 100, \$20.00.

Medium bulbs 8-10 inches in circumference. Each, 45c; dozen, \$4.50; 100, \$30.00.

Mammoth bulbs 9-10 inches in circumference. Each, 55c; dozen, \$5.50; 100, \$40.00.

Jumbo bulbs 10-12 in. in circumference. Each, 80c; doz., \$8.00; 100, \$60.00.

LILIES—Continued

Lilium Longiflorum

(Outdoor Easter Lily)—Ready November

Large, tubular flowers of pure white, giving forth a pleasing fragrance. This lily is the same as the Easter lily in appearance, but is a better garden subject, as it can withstand a lower temperature during the winter. Each, 50c; per three, \$1.25; per dozen, \$4.50.

Lilium Martagon

(European Turk's Cap)—Ready November

A hardy, robust lily coming from the land of the Tango. It attains the height of three feet, often carrying, when established, twenty to thirty purple flowers spotted purplish black. Blooms in June and July. Each, 25c; per three, 70c; dozen, \$2.50; 100, \$18.00.

Monadelphum Szovitzianum

Ready November

Growing to a height of four to six feet, the stout stems carry up to thirty flowers, forming pyramidal-shaped clusters. The flowers are drooping, the petals are neatly recurved, varying in color from straw to deep yellow, spotted with black. This lily usually makes a poor showing the first season, barely pushing through the ground, but flowers very freely the following season.

Each, 75c; per three, \$2.00; per dozen, \$7.50.

Lilium Pardalinum

Ready October

(Leopard or Panther Lily)—A late June flowering lily of rich scarlet and yellow, spotted rich brown from the Sierra Nevada Mountains of California. One to thirty flowers on a 3-6 foot stem. Each, 25c; per dozen, \$2.50; 100, \$18.00.

Lilium Philadelphicum

Ready October

(Wild Red Lily, Wood Lily)—Our most beautiful native lily, the best specimens of which are usually found growing wild. The flowers are three to four inches in diameter, produced one to five on a stem, one to three feet high. The color is bright orange-red, tinged yellow in center and spotted deep purple, with red anthers. Blooms during June and early July.

Each, 15c; per dozen, \$1.60; 100, \$12.00.

Lilium Regale

Ready November

The large, trumpet-shaped flowers are snowy white, with a pure yellow center, while the exterior of the petals is slightly tinged pink. It is a strong grower, attaining the height of three or four feet. The flower, besides being eminently beautiful, possesses a delightful fragrance. The bulb, which should be given good, sharp drainage (as should all lilies), is perfectly hardy, usually presenting a dried, shriveled appearance.

First Size, 4-6 in. in circumference. Each, 25c; doz., \$2.50; 100, \$18.00.
Select Size, 6-7 in. in circumference. Each, 50c; doz., \$5.00; 100, \$35.00.
Mammoth Size, 7-9 in. in circumference. Each, 75c; doz., \$7.50; 100, \$50.00.

Lilium Rubellum

The Rosy Lily—Ready November

The flowers are short tubes, with slightly flaring, pointed petals. It has a faint and pleasing fragrance. The anthers are gold, the pistil pale green, the general color is rose pink, shading to light pink. Grows fifteen to twenty-four inches high, blooming in June. Plant five inches deep, in slight shade. Grows best in a gravelly soil. Do not expect much of this lily the first year. It is best to plant in pots the first year, and when planted out, be sure it is given good drainage. Plant five inches deep.

Each, 35c; per three, \$1.00; dozen, \$3.00; 100, \$22.50.

Lilium Speciosum Rubrum (Magnificum)

(The Lance-Leaved Lily)—Ready December

Thousands being grown each year in greenhouses. The typical form is white, flushed pink, and heavily spotted with carmine. The stem is about four feet high and has fresh, green, lance-shaped leaves, and the frilly flowers face downward and carelessly roll back their petals, while the stamens and pistil curl way out. A very beautiful lily, perfectly hardy, very seldom diseased, and a late August and early September bloomer. Plant the bulbs eight to ten inches deep.

First Size, (8-9), each, 35c; dozen, \$3.50; 100, \$25.00.
Mammoth Size (9-11), each, 45c; dozen, \$4.50; 100, \$30.00.
Jumbo Size (11-13), each, 65c; dozen, \$6.50; 100, \$45.00.

Lilium Superbum

Ready October

(American Turk's Cap, Swamp Lily)—The most magnificent and showy of the native North American species, well worthy of extensive culture. This splendid lily produces from one to forty flowers of brilliant orange-scarlet, shaded yellow and spotted purplish brown at the base, with red anthers, in late July and August. Purchase this variety upon our recommendation. Height, 3-8 feet.

Each, 20c; 3 for 50c; dozen, \$2.00; 100, \$15.00.



Lilium Candidum

(The Madonna Lily) Now Ready

Legend is rich in praises and reference to the Madonna Lily. It is one of the oldest, loveliest, and best known lilies. A favorite of our grandmothers' gardens, its beauty and fragrance brings back days long past and revives cherished memories. The flowers, of which there are three to twenty on each stem, depending upon the size of bulb planted, are snow-white, with heavy yellow stamens, and of the most delightful fragrance. It is hardy and will thrive in any ordinary soil, preferring plenty of light and air. Blooms in the open ground about June 20th. Orders should, therefore, be mailed on receipt of this Catalogue.

We handle only the thick petaled type which is imported from Northern France.

18-20 CENTIMETERS (7-8 inch circumference) Each 20c; per dozen, \$2.00; 100, \$15.00.

20-22 CENTIMETERS (8-9 inch circumference) each 30c; per dozen, \$2.75; 100, \$20.00.

22-24 CENTIMETERS (9-9½ inch circumference). Each 35c; dozen, \$3.50; 100, \$25.00.

24-26 CENTIMETERS (9½-10½ inch circumference). Each, 45c; dozen \$4.50; 100, \$30.00.

26 CENTIMETERS and over (10½-12 inch circumference). Each 55c; per dozen, \$5.50; 100, \$40.00.

28 CENTIMETERS and up (12-inch circumference and up), Each 75c; per dozen, \$7.50; 100, \$50.00.

Lilium Speciosum Album

Ready December

A pure white form of Lilium Rubrum.

First Size (8-9), each, 45c; dozen, \$4.50; 100, \$30.00.

Mammoth Size (9-11), each, 65c; dozen, \$6.50; 100, \$45.00.

Lilium Tenuifolium

Ready October

The lovely Coral Lily of Siberia. A great beauty. The brightest of all lilies. Grows 20 inches high, with finely cut foliage, slender stems and beautifully shaded coral-red flowers. One ought to grow them by the dozen, they are so fine for cutting and making clumps for the lawn. Blooms very early.

Each, 30c; dozen, \$2.75; 100, \$20.00.

Lilium—Tigrinum Splendens

Ready October

(Tiger Lily)—Because it is so widely cultivated in this country this lily has come to be looked upon as native, but it originally came from China and Japan. The flowers are orange, spotted purple, opening in August and September on 2-4 foot stems.

Each, 15c; dozen, \$1.50; 100, \$10.00.

Lilium—Tigrinum Flore Pleno

Ready October

(Double Tiger Lily)—Probably the only desirable double flowered lily in cultivation. Colors and habit same as that of Tigrinum Splendens.

Each, 15c; dozen, \$1.50; 100, \$10.00.

Lilium Umbellatum

(Subspecies of Davuricum)—Ready October

This group of lilies is of hybrid origin, resulting in crosses of the frail Lilium Davuricum (an Asiatic lily), with the European species, Croceum, and Bulbiferum. They are early flowering, blooming during the first part of June. Usually attaining the height of two to three feet, they carry four to six flowers of cup-shape.

Erectum—Orange-red, slightly tinged yellow, with little or no spots.

Grandiflorum—Orange red, very large flowers freely produced.

Each of above, 30c; per three, 75c; per dozen, \$2.75; 100, \$20.00.

Mixed—Contains orange, red, and few yellow shades.

Each, 20c; per three, 50c; per dozen, \$2.00; 100, \$15.00.

Lily of the Valley

Ready October

Large Clumps—For outdoor planting, clumps are best to plant. They do best in a shady, moist place. We especially recommend the clumps for outdoors; they give a quicker and better effect at less cost.

Each, 65c; dozen, \$6.00; postpaid.



Miscellaneous Bulbs



The very first flowers of spring are the minor bulbs, snow-drops, scillas, chionodoxas, crocuses, which come before narcissi. On these pages will be found many other interesting garden treasures, including those fine subjects for rock-gardens, erythroniums, brodiaeas and camassias.



FRI TILLARIA
MELEAGRIS



RANUNCULUS



CALLA LILIES



MUSCARI
GRAPE HYACINTH

Anemone (Windflower)

They succeed best in light, rich, well-drained loam. Plant in November, or as soon as the ground can be worked in the spring. If planted in the autumn they should be covered with leaves, straw or long manure on the approach of winter.

Special Mixed. Doz., 75c; 100, \$5.00; 1,000, \$45.00.
St. Brigid, a grand strain of Poppy Anemones whose flowers range in color from the deepest crimson to the purest white, embracing such delicate shades as cobalt, scarlet, rose, salmon-pink, and heliotrope. Most are semi-double.
Doz., \$1.00; 100, \$6.50; 1,000, \$60.00.

Calochortus or Mariposa Tulip

These famous California flowers resemble a tulip in shape, and are of many colors, shades and markings.

Mixed, doz., 90c; 100, \$6.00; 1,000, \$55.00.

Spring-Flowering Crocus

One of the earliest flowers to open in Spring, the Crocus makes an effective show when planted in masses or arranged in groups in a border. They are perfectly hardy and can be left in the ground for several years without being disturbed. The large-flowering named varieties are ornamental when flowered in pots, six or eight bulbs in 5-inch size. Will not flower in too much heat. Plant 1 inch deep.

Baron Von Bruno. Deep purple.
General Gordon. Purple.
Julia Culp. Late flowering large purple.
King of Whites. Large flowered, extra fine.
La Majestuese. White striped purple.
Maximilian. Splendid sky blue.
Mont Blanc. Pure white.
Pallas. White striped light lilac, one of the best.
Purpurea Grandiflora. Dark purple.
Queen Victoria. Pure white.
Select Yellow. Golden Yellow.
Any of the above. Doz., 70c; 100, \$4.50; 1,000, \$40.00.

Mammoth Yellow. Largest flowered Golden Yellow. Doz., \$1.00; 100, \$6.50; 1,000, \$60.00.

Mixed Blue and Purple Varieties.

Mixed Striped Varieties.

Mixed White Varieties.

Large Yellow. Doz., 50c; 100, \$3.50; 1,000, \$32.00.

CROCUS—Vaughan's Special Mixture Giant-Flowered. Doz., 60c; 100, \$4.00; 1,000, \$35.00.

Camassia Leichtlinii

At the base they have large grass-like leaves and an erect, many flowering spike rises from 18 in. to 3 ft. in height. The very handsome flowers are star-shaped. Cover 1½ to 2 in.

Blue } doz., \$1.50; 100, \$10.00.
White }

Brodiaeas

These plants have a small bulb, producing grassy leaves near the ground, and very slender, but stiff, naked stems bearing a head of waxy flowers of great lasting quality. They thrive best in a light soil, should be given a winter covering, and prefer partial shade. Plant two inches deep.

Grandiflora. Has a few large, glossy purple flowers of much beauty and great lasting qualities. Doz., 70c; 100, \$4.50; 1,000, \$40.00.

Calla Lilies

White, Ready Now. A well-known plant of easy culture for winter bloom, and makes a handsome house or window plant. To aid profuse blooming keep dormant from the middle of June until the last of September; pot on receipt in good, rich soil, using 6 to 8-inch pot, give light and heat in abundance. Both foliage and flowers are attractive in this desirable winter bloomer.

First Size (1½ to 1½ in.). Each, 15c; doz., \$1.50; 100, \$10.00.

Select Size (1½ to 1½ in.). Each, 25c; doz., \$2.50; 100, \$18.00.

Mammoth (2 to 2½ in.). Each, 45c; doz., \$4.50; 100, \$35.00.

Yellow, Ready in November

New and beautiful variety; same habit of growth as ordinary white Calla; flowers same size and shape, rich, clear, lustrous golden yellow; foliage dark green, with translucent creamy spots, strong bulbs.

First Size (1½ to 2 in.). Each, 20c; doz., \$2.00; 100, \$15.00.

Mammoth (2 to 2½ in.). Each, 35c; doz., \$3.50; 100, \$22.00.

Jumbo (2½ in. and up). Each, 45c; doz., \$4.50; 100, \$35.00.

Chionodoxa (Glory of the Snow)

One of our loveliest Spring flowers, when established its sheets of blue in very early Spring are a great attraction in borders, dotted over bulb beds, or massed on rock-work.

Lucillae. Bright, blue with large clear white center. Doz., 50c; 100, \$3.00; 1,000, \$25.00.

Sardensis. Intense deep blue. Doz. 55c; 100, \$3.50; 1,000, \$30.00.

Ixias

The ixia colors are rich, the center always differing in color from the petals. Very desirable for pots. If planted outside be sure to cover with straw or leaves.

Named Varieties. Doz., 75c; 100, \$5.00; 1,000, \$45.00.

Mixed. Doz., 55c; 100, \$3.50; 1,000, \$30.00.

Eranthis Hyemalis

(Winter Aconite)

Early in Spring the golden blossoms of Winter Aconite look charming, resting on an emerald-green of cushion leaves, forming a striking contrast to the Snowdrop, Scilla and Chionodoxa. The foliage remains long after the flowers, making the plant especially valuable in moist situations, such as under trees. Eight inches high.

Doz., 55c; 100, \$3.50; 1,000, \$30.00.

Erythronium

Dog's Tooth Violet (Hardy)

These are charming woodland plants, producing in early April, small, lily-like flowers of which the colors run in delicate tints of white, pink, cream, bright yellow and rose. They thrive in shaded corners or crevices of rock-work. Their beauty is enhanced by their richly mottled leaves. They like a light, rather moist, but well drained soil. Plant the corms about three inches deep.

Doz., 80c; 100, \$5.50; 1,000, \$50.00.

Fritillaria recurva (Mission Bells).

A beautiful woodland plant from Southern California. 1½ to 2 feet, and producing dainty orange-scarlet flowers. They prefer partial shade and a loose soil.

Doz., \$1.50; 100, \$10.00; 1,000, \$95.00.

Fritillaria Meleagris

Singular dwarf spring-flowering plants, bearing large pendant, bell-shaped flowers of various colors: yellow, white, black, purple, striped and splashed and checkered in the most curious way. Invaluable and exceedingly pretty when grown in large groups in the garden border or wild dry situation.

Doz., \$1.00; 100, \$6.50; 1,000, \$60.00.

Fritillaria imperialis

The Crown Imperial is a stately hardy border-plant, very effective in Spring when grouped in woodlands, wild gardens, orchards. Bell shaped flowers, orange, red, and checkered. Plant 12 inches deep, in well drained location.

Each, 60c; doz., \$6.00; 100, \$40.00.

MISCELLANEOUS BULBS—Continued

Vaughan's Giant Freesias

They should be potted in September and stood outside until the approach of frost, then taken inside to the conservatory or a sunny, airy window, where they will flower freely from January onwards.

VAUGHAN'S PURITY. Flowers are a magnificent snowy white, of very large size and great fragrance.

Mammoth Size (5/8 to 3/4 in.). Doz., 55c; 100, \$3.50; 1,000, \$30.00.

Jumbo Size (3/4 in. and up). Doz., 70c; 100, \$4.50; 1,000, \$40.00.

Colored Named Varieties. Doz., \$1.00; 100, \$6.50; 1,000, \$60.00.

Rainbow Mixture. Doz., 60c; 100, \$4.00; 1,000, \$35.00.

Oxalis

For Indoor Planting Only

Most of these Oxalis flower from October until Christmas, and later. Easily grown, requiring only a good, somewhat peaty soil. **Grand Duchess.** Lavender, pink and white, doz., 55c; 100, \$3.50; 1,000, \$30.00.

Bermuda Buttercup. Doz., 55c; 100, \$3.50; 1,000, \$30.00.

Hirta. Deep pink, very fine for hanging baskets. Doz., 80c; 100, \$5.50; 1,000, \$50.00.

Muscari (Grape Hyacinth)

Beautiful little flowers for planting in masses either in shade or sun. Also adapted for growing indoors. Plant six bulbs in a five-inch pot. Perfectly hardy.

Blue. Pretty little spikes of dark blue flowers; an old garden favorite, used largely for small beds, edging, etc. Doz., 50c; 100, \$3.00; 1,000, \$25.00.

Pure White. This is a beautiful companion to the above, and they make a striking show when planted together. Price, per doz., 80c; 100, \$5.50; 1,000, \$50.00.

Heavenly Blue. The best blue. Doz., 55c; 100, \$3.25; 1,000, \$27.50.

Amethystinus. Loose spikes of beautiful amethyst blue. Doz., 75c; 100, \$5.00; 1,000, \$45.00.

Ornithogalum

(Star of Bethlehem, Half Hardy)

Throws up a tall stem with a cluster of star-shaped flowers; pure white with dark centers. Excellent for cutting, lasting a long time in water. Also very adaptable to pot culture.

Doz., \$1.25; 100, \$8.00.

Ornithogalum Thrysoides

(For indoor culture only)

Grows three feet tall with a cluster of flowers 100 to 150 in number, each flower about 1/2 inch in diameter, pure white in color. Has excellent keeping qualities.

Doz., \$1.50; 100, \$10.00; 1,000, \$90.00.

Scillas (Squills)

As edgings and masses in beds and borders, Scillas are most valuable. They succeed in shady flower borders and bare shady places and odd corners.

SIBIRICA (The Blue Squill). Bright blue, nothing more beautiful for edgings or pots in early Spring, flowering with the Snowdrop. Height, 4 inches. **Mammoth Bulbs.** Doz., 75c; 100, \$5.00; 1,000, \$45.00.

Siberica Alba. A white sport of Siberica Blue. Identical in form and easy blooming qualities. Doz., 90c; 100, \$6.00; 1,000, \$55.00.

CAMPANULATA. Clear Blue, very erect in habit (15 inches). Doz., 60c; 100, \$4.00; 1,000, \$35.00.

Alba. Pure white (12 in.). Doz., 75c; 100, \$5.00; 1,000, \$45.00.

Rosea. Fine rose (15 in.). Doz., 90c; 100, \$6.00; 1,000, \$55.00.

Nutans Alba—Pure white, on long, gracefully arching stem, beautiful when naturalized in copses, shady walks, etc. Also prized for cutting. 14 inches. Doz., 70c; 100, \$4.50; 1,000, \$40.00.

Ranunculus (Buttercup)

Plant in November for early spring bloom in frames. Set 3 or 4 inches apart, pressing firmly into the soil, claws downwards, and cover them with sand, then with soil; keep the crown of the tubers two inches under the surface. Water them well.

French Mixed. Doz., 60c; 100, \$4.00; 1,000, \$35.00.

Snowdrops (Galanthus)

Snowdrops flower while Tulips are just sprouting, and when the flowers are over, there remains a groundwork of green foliage. **Single.** (Largest Bulbs.) Doz., 60c; 100, \$4.00; 1,000, \$35.00.

Double. (Largest Bulbs.) Doz., 80c; 100, \$5.50; 1,000, \$50.00.

Byzantinus. The finest Giant Single Snowdrop blooming very early, and producing large, handsome, globular flowers. A very free bloomer, very valuable for indoor culture, for it will flower in January. Doz., \$1.00; 100, \$6.50; 1,000, \$60.00.

Spring Snowflake

(Leucojum Vernum)

A favorite little early spring flower having drooping, bell-shaped flowers, white, with small brown tips. Once planted in a favorable environment, they come up every spring, bearing more flowers each time. Excellent for rock gardens and naturalizing.

Doz., \$1.00; 100, \$6.50; 1,000, \$60.00.

Spirea (Astilbe) Ready November

Beautiful, hardy garden subjects, attractive, not only for their gayly colored, feathery plumes, but also for their glaucous foliage. In the perennial border where they flower year after year, increasing rapidly. They will thrive in almost any soil, but prefer heavy ground, and a semi-shade. June and July flowering.

White Varieties. Each, 50c; doz., \$5.00; 100, \$40.00.

Pink Varieties. Each 50c; doz., \$5.00; 100, \$40.00.

Hardy Bulbous Iris for the Garden

Dutch Iris

They resemble the Spanish Iris, but their habit of growth is more vigorous, the flowers larger, with conspicuous orange blotches on the wide falls. Buds open at least two weeks before the Spanish Iris, and immediately after the last of the May flowering tulips are gone. Through untiring years of hybridization, they not only surpass the Spanish Iris in size and sturdiness of growth, but also in brilliancy of color.

D. Haring. Flowers large, standards white, tinged lavender, Falls creamy white, with conspicuous golden blotch. Very beautiful. Height, 30 inches. Received Award of Merit, Royal Horticultural Society, 1923.

E. B. Garnier. Standards and falls uniform deep blue, the improved Imperator.

Filifolia Celestial. Although not true Dutch Iris) the Filifolia group (one of the parents of this race), is so near to that type that we include them with the Dutch. The variety Celestial is a beautiful light blue.

Filifolia Imperator. One of the most popular florist's varieties. The flowers are large, dark blue, brilliant orange blotch. Very showy, strong grower, highly recommended. Mulch well the first year. Height 27 inches.

Frans Hals. Falls cream colored with large orange blotch, standards light pearl colored blue.

Golden Glory. Standards golden yellow, falls darker. Height, 18 inches.

Hart Nibbrig. Standards brilliant deep blue, falls large, a lovely light azure with golden blotch. Very beautiful. Height, 27 inches.

J. W. De Wilde. Rich golden yellow; handsome. Height, 26 inches.

Leonardo Da Vinci. Lemon yellow standards, yellow falls with rich golden blotch. Beautiful, Height, 25 inches.

Poggenbeek. Brilliant dark blue.

Rembrandt. Flowers of great substance, standards deep blue, falls broad, azure blue with conspicuous large orange blotch. Very showy. Height, 22 inches.

Theo. Wyck. Standards and falls uniform corn-flower blue, narrow orange stripe. Height, 20 inches

Therese Schwartz. Flowers large, standards narrow, delicate china-white, falls creamy white, with golden yellow blotch. Height, 27 inches.

White Excelsior. Large beautiful flowers of pure white.

Yellow Queen. Uniform pure yellow. Excellent variety.

Prices on any above: Doz., \$1.25; 100, \$8.00; 1,000, \$75.00. Not Less Than 6 Bulbs of One Variety Sold.



DUTCH IRIS

Spanish Iris

The Spanish Iris begin to bloom just as the bearded Iris are finishing. For vases and bouquets the cut flowers are greatly prized, as they last long when cut, and the buds open well in water. Spanish Iris are easily grown in any good, light soil either in an open or partially shaded situation.

Belle Chinoise. Deep, soft yellow, the earliest of yellows. Height, 20 inches.

Cajanus. Standards bright canary yellow, falls brilliant yellow, with orange blotch, flowers are very large and handsome. Late. Height, 30 inches.

Chrysolora. Deep yellow.

Darling. Sweet-scented deep blue.

King of Blues. Dark porcelain blue, falls blotched with orange, large flower. This variety and Cajanus are the most popular Iris of the Spanish group. Height, 26 inches

King of Whites. Pure white with orange blotch. Flowers large and very shapely, standards are frilled. Height, 24 inches.

Louise. White, tinged pearly blue.

Prince Henry. Large purplish bronze.

Reconnaissance. Dark bronze, with golden blotch. Doz., \$1.00; 100, \$6.50; 1,000, \$60.00.

Not Less Than 6 Bulbs of One Variety Sold.

Iris Tingitana Wedgewood

For indoor use and protected plantings only. A seedling of the old favorite Tingitana that is just as early, but a much more reliable bloomer. Can be brought into flower in January, as it is the earliest of Iris. A great cut flower. Light blue in color. Each, 35c; doz., \$3.50; 100, \$25.00.

Iris Susiana (Morning Iris)

A remarkably handsome species, bearing immense flowers, very finely stippled and veined grayish black on a silvery white ground; falls have a darker shading and a large black beard. May flowering, height 1 1/2 to 2 feet. Plant in a hot, dry situation, in a well drained, gritty soil, and cover during winter with tar paper or board to keep ground dry. Each, \$3.00.



ANTIRRHINUM



CALLIOPSIS



CALENDULA



EUPHORBIA



ESCHOLTZIA

Flower Seeds for Fall Sowing

FEW know many of our prettiest and best known annuals may be sown in the fall, in fact some varieties, like the annual Larkspur, are much better, treated in this way. The principle is the one nature uses. Seed dropped from parent plant will lay dormant in the soil until early in the spring when it germinates and begins a root system long before one can get in the ground to sow seed. Consequently the flowering season is prolonged by the earlier blooming. Ground should

be prepared and seed sown just previous to the late heavy frosts. The fall-sown plants as a rule are much sturdier and better established on the blossoming date than those started indoors. Another advantage of fall sowing is that it relieves pressure in the springtime. Care should be taken not to sow too early, as the seed will germinate and die in the fall.

Sweet peas should be heavily mulched with leaves or straw.

- 195 **Ageratum**. Blue Perfection. Pkt., 10c.
 230 **Agrostemma**. Coeli Rosa (Rose of Heaven). A good cutflower. Pkt., 10c.
 250 **Alyssum**. Sweet. Dainty white flowers, $\frac{1}{2}$ oz., 15c; pkt., 10c.
 255 **Alyssum**. Vaughan's Little Gem. Snow-white carpet plant. $\frac{1}{4}$ oz., 25c; pkt., 10c.
 310 **Anchusa**. Capensis (Summer Forget-me-not). Flowers beautiful blue. Pkt., 10c.
 425 **Antirrhinum**. Vaughan's Special Mixture. $\frac{1}{8}$ oz., 25c; pkt., 15c.
 1070 **Bartonia**. Aurea. Showy golden yellow flowers. Pkt., 10c.
 1170 **Cacalia**. Mixed. $\frac{1}{8}$ oz., 25c; Pkt., 10c.
 1190 **Calendula**. Orange King. Orange flowers. $\frac{1}{8}$ oz., 25c; Pkt., 10c.
 1245 **Calliopsis**. Vaughan's Special Mixture. $\frac{1}{2}$ oz., 30c; pkt., 10c.
 1260 **Candytuft**. Giant Hyacinth-Flowered White. $\frac{1}{4}$ oz., 25c; pkt., 10c.
 1535 **Centaurea Cyanus**. Vaughan's Special Mixture. $\frac{1}{4}$ oz., 25c; pkt., 10c.
 1570 **Centaurea Imperialis** Mixed. Pkt., 10c.
 1790 **Clarkia**. Vaughan's Special Mixture. $\frac{1}{2}$ oz., 25c; pkt., 10c.
 1930 **Cosmidium**. Orange Crown 2 ft. The flowers are golden yellow with a broad circle of a rich orange around the disc, a pleasing combination. Pkt., 10c.
 1950 **Cosmos**. Early Flowering Mammoth mixed. $\frac{1}{4}$ oz., 20c; pkt., 10c.
 2015 **Cynoglossum** Amabile. Chinese Forget-Me-Not. 18 to 24 in. A lovely plant producing large sprays of brilliant blue Forget-Me-Not like flowers. Pkt., 25c.
 2305 **Dianthus**. Vaughan's Special Double and Single Mixture. $\frac{1}{4}$ oz., 30c; pkt., 10c.
 2415 **Escholtzia**. Vaughan's Special Mixture. $\frac{1}{4}$ oz., 25c; pkt., 10c.
 2435 **Euphorbia**. Variegata (Snow on the Mountain). Pkt., 10c.
 2590 **Godetia**. Gladiolus Flowered Rose. Pkt., 15c.
 2680 **Gypsophila**. Elegans Grandiflora Alba. $\frac{1}{2}$ oz., 20c; pkt., 10c.
 2860 **Hunnemannia**. Fumariaefolia. (Bush Escholtzia.) Pkt., 10c.
 2170 **Larkspur**. Vaughan's Special Mixture. $\frac{1}{4}$ oz., 30c; pkt., 10c.
 2310 **Lavender Lace Flower**. (Didiscus Coeruleus.) Pkt., 10c.
 3010 **Leptosyne Stillmani**. Golden yellow flowers. Pkt., 10c.
 3019 **Linum**. Grandiflorum Coeruleum. Pkt., 10c.
 3105 **Lupinus**. Tall annual mixed. Pkt., 10c.
 3212 **Matthiola Bicornis**. Evening scented stock. Pkt., 10c.
 3380 **Nemophila**. Mixed. Pkt., 10c.
 3390 **Nicotiana Affinis** (Sweet-scented Tobacco plant). Pkt., 10c.
 3420 **Nigella**. Miss Jekyll. Dainty blue. Pkt., 10c.
 3875 **Pansy**. Vaughan's Giant mixture. Pkt., 15c.
 3890 **Pansy**. Swiss Giant Mixture. The flowers are gigantic size, perfectly round and exhibit shade previously unknown in this family, they bloom early in the spring, continuing in flower all summer until late in fall. Pkt., 50c; $\frac{1}{4}$ oz., \$1.50.
 4018 **Petunia**. Rose of Heaven. Brilliant rose with inconspicuous white throat. Pkt., 25c.
 4220 **Phlox Drummondii**. Vaughan's Special Mixture. $\frac{1}{2}$ oz., 30c; pkt., 15c.
 4285 **Poppy**. Shirley Mixed. Beautiful colors in delicate shades of rose, apricot, salmon-pink, and blush to glowing crimson with a sprinkling of blues. Oz., 30c; pkt., 10c.
 4310 **Poppy**. Vaughan's Special Double and Single mixed. $\frac{1}{2}$ oz., 25c. pkt., 10c.
 4690 **Sanvitalia Procumbens** fl. pl. Small double yellow flowers. Pkt., 10c.
 4691 **Saponaria Vaccaria** Rose. The light graceful sprays of glistening pink flowers are produced in greatest profusion. Pkt., 10c.
 4757 **Schizanthus**. Vaughan's Excelsior Hybrids. Pkt., 25c.
 5595 **Sweet Peas**. Vaughan's Special Mixture Early flowering. Spencer varieties. Oz., 60c; pkt., 15c.
 5815 **Virginia Stocks**. Mixed. $\frac{1}{2}$ oz., 15c; pkt., 10c.
 5805 **Viscaria**. Mixed. Pkt., 10c.



LINUM



PANSY



PETUNIA



MIGNONETTE



SCHIZANTHUS



Perennials for Fall Planting

HARDY perennials may be set out this fall in time to become well established before winter sets in; and next year will see them better developed, and bearing finer flowers than can be obtained from plants set in your border next spring.

This advantage is accompanied with very little extra risk. We do not list the kinds which need special protection through the winter. It is always well to apply a mulch over newly planted perennials, after the ground has frozen. This will tend to prevent winter

thaws and frost heaving. Plants should not be placed where water stands, as excessive dampness in the winter causes rot.

All plants are F. O. B., Chicago.

Plants are shipped with their roots well wrapped; and as packages must go by parcel post or express, it is impossible to make prices which cover postage, and are fair alike to all customers. So all prices in our plant list are F. O. B. Chicago, and if it is desired to have them sent by mail, postage should be added at zone rates. If sent by express, they go collect, at customer's expense.

ACHILLEA (Milfoil, Yarrow)

- Achilleas are of easy culture and grow in any good garden soil. They are useful for cutting.
- Millefolium Kelwayi**. 2 ft. Carmine rose. 3 for 85c; doz., \$2.50; 100, \$15.00.
- Parker's Variety**. 2½ to 3 ft. June-Sept. Yellow flowers. 3 for 85c; doz., \$2.50; 100, \$15.00.
- The Pearl**. June-Aug. White. 2 ft. 3 for 85c; doz., \$2.50; 100, \$15.00.

ALYSSUM (Madwort)

- Showy spring-flowering plants. Valuable for front row in border or rock garden.
- ×**Saxatile Compactum**. (Gold Dust.) May-June. Golden yellow. 1 ft. 3 for 85c; doz., \$2.50; 100, \$15.00.

AQUILEGIA (Columbine)

- The Columbine is one of the most beautiful hardy perennials, producing graceful spurred flowers on 2-ft. stems. They are one of the most important of our early hardy flowers and should be grown in quantity, being easy to establish and thriving in almost any situation, best if sheltered but exposed to full sun.
- ×**Canadensis (American Columbine)**. 1-2 ft. May-July. Handsome scarlet and orange flowers. 3 for 85c; doz., \$2.50; 100, \$15.00.



ACHILLEA, The Pearl

- ×**Chrysantha**. June-Aug. Golden yellow, long-spurred. 3 ft. 3 for 85c; doz., \$2.50; 100, \$15.00.
- Coerulea (Rocky Mountain Columbine)**. 1-2 ft. April-July. Sepals deep blue. 3 for \$1.00; doz., \$3.50; 100, \$20.00.
- ×**Mrs. Scott Elliott's Strain of Long-Spurred Hybrids**. The flowers are very large and of distinct shades of blues, lavenders, mauves, whites, creams, pinks, reds, yellows, etc. Many of these

colors being entirely new in the species and are the result of very many years careful hybridization. 3 for \$1.00; doz., \$3.50; 100, \$20.00

- ×**Farquhar Pink**. 2 ft. Beautiful pink flowers with lighter centers and creamy anthers. 3 for \$1.00; doz., \$3.50; 100, \$20.00.

- Skinneri (Mexican Columbine)**. 2 to 3 ft. June-August. Large scarlet and yellow flowers. 3 for \$1.00; doz., \$3.50; 100, \$20.00.

ARABIS (Rock Cross)

- ×**Alpina**. 6 in. The pure white flowers make a pleasing contrast with Alyssum saxatile compactum. 3 for 85c; doz., \$2.50; 100, \$15.00.
- ×**Alpina fl. pl.** Double white species. April to Sept. 3 for \$1.25; doz., \$4.00; 100, \$25.00.

ARENARIA

- ×**Montana**. 4 in. Grows in close tufts, profusely covered with small silvery white flowers. 3 for 85c; doz., \$2.50; 100, \$15.00.

Relative Prices Are as follows:

	3 supplied for	Each	
Plants priced at	{ \$2.00 } { 2.50 } { 3.50 } { 4.00 } { 4.50 } { 5.00 }	per dozen..	{ \$0.65 } \$0.25
			{ .85 } .35
			{ 1.00 } .45
			{ 1.25 } .50
			{ 1.35 } .55
			{ 1.50 } .65

25 plants of a variety at the 100 rate where listed by the hundred.

Plants by Parcel Post

If to be sent by parcel post add postage as follows: Single plants 5c; 3 plants, 10c; 6 plants, 15c; 12 plants, 25c. We accept no responsibility for delays or conditions that may prove injurious to the contents.

Plants by Express

We recommend this mode of transit where quantities are over 18 to 24 plants.

Vaughan's "Surprise" Perennial Collection

A truly fascinating collection of carefully selected hardy plants all labeled. We include such well known favorites as Delphinium, Phlox, Aquilegia, Pyrethrum, and choice specimens of any good varieties in which we have surplus stocks. At least 15 different varieties in each "Surprise" collection. Our selection of varieties and all properly labeled.

No. 1 A. Vaughan's "Surprise" Perennial Collection. 25 hardy plants, our selection of varieties, for \$4.00.

Rock Garden Collections

These collections include desirable varieties each properly labeled. By leaving the selection of varieties to us, we can often send plants from our large stocks of the better varieties. We use great care in assembling these collections and send only plants suitable for rock gardens.

No. 101. Rock Garden Collection. 1 each of 10 varieties for \$2.50.

No. 102. Rock Garden Collection. 2 each of 12 varieties for \$5.00.

PLANTS FOR ROCK GARDENS

The sign × is placed before varieties especially suited for use in rock gardens.



ARABIS (Rock Cross)



ASTER Climax

ARMERIA (Thrift, Sea Pink)

For front of border, graves or rockery. Dwarf, compact, evergreen foliage. Excellent for cutting.

- × **Lauchena.** May-Aug. Rose, 6 in. 3 for 85c; doz. \$2.50; 100, \$15.00.
- × **Formosa Hybrida.** 24 in. Shades of pink, early summer. 3 for 85c; doz., \$2.50; 100, \$15.00.

ARTEMISIA

- **Lactiflora.** 4 to 4½ ft. Sept.-Oct. A great acquisition to herbaceous borders or wild garden, producing elegant spikes of pure white flowers on stout stems. Graceful for table decoration. 3 for 85c; doz., \$2.50; 100, \$15.00.

ASTER (Michaelmas Daisy)

Used for lighting up the borders and shrubberies with their masses and clouds of dainty and brightly colored blossoms throughout the autumn months up to November.

- **Abendrothe.** 3 to 5 ft. Beautiful deep rose. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.
- **Climax.** 5 ft. One of the best and showiest, with large, pyramidal spikes of large, light lavender-blue flowers, with gold centers, very free blooming, October-November. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.
- **Elta.** 3 ft. The clear lavender flowers are borne in clusters on dark green glossy stems. Semi-double. 3 for 85c; doz., \$2.50; 100, \$15.00.

ASTER (Rock Aster)

The dwarf hardy Aster so much in demand for Rock Gardens.

- × **Subcoeruleus.** 15 inches. Massive bluish violet flowers. Blooms June and July. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

BOLTONIA (False Chamomile)

Bloom at the same time and resemble some of the wild Asters. The leaves are long and grayish and in these characteristics are roughly distinguished from the perennial Asters.

- **Latisquama Nana.** Dwarf form. Light pink. 2 ft. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

CAMPANULA (Bell-flower)

A large, beautiful and most important family for the flower garden. The dwarf species are charming for rock gardens being, not difficult to cultivate.

- × **Carpatica.** (Harebell.) June-Aug. Blue. 1 ft. 3 for 85c; doz., \$2.50; 100, \$15.00.
- × **Carpatica Alba.** (Harebell.) June-Aug. White. 1 ft. 3 for 85c; doz., \$2.50; 100, \$15.00.
- **Lactiflora Coerulea.** June-Aug. Light blue. 4 to 6 ft. 3 for \$1.00; doz., \$3.50; 100, \$20.00.
- **Persicifolia Coerulea** (Peachleaf Bell-flower.) 2-3 ft. Blue. 3 for 85c; doz., \$2.50; 100, \$15.00.
- × **Piperii.** June-Aug. Blue. 4-8 in. A new and charming species. 3 for \$1.00; doz. \$3.50; 100, \$20.00.
- × **Rotundifolia** (Blue Bells of Scotland.) 6-12 in. June-August. Very dainty. 3 for 85c; doz., \$2.50; 100, \$15.00.

CENTAUREA (Hardheads, Knapweed)

- **Macrocephala.** The showiest of all, great thistle-like golden yellow flowers on stiff stems. June-Aug. 2-3 ft. 3 for 85c; doz., \$2.50; 100, \$15.00.

CERASTIUM

- × **Tomentosum.** (Snow in Summer.) 4-inch. Silvery white foliage. Snow-white flowers in early summer. 3 for 85c; doz., \$2.50; 100, \$15.00.

COREOPSIS (Tickseed)

One of the most popular hardy plants. The flowers are a rich golden yellow of a beautiful graceful form.

- **Lanceolata grandiflora.** June-Oct. Yellow. 2 ft. 3 for 85c; doz. \$2.50; 100, \$15.00.

DAISY (Shasta)

- **Alaska.** 2 ft. Wonderful show of large white flowers. Fine for cutting. Blooms all summer. 3 for 85c; doz., \$2.50; 100, \$15.00.

DELPHINIUM (Perennial Larkspur)

There are many species in cultivation, but the most important are the tall hybrids, of which there are many varieties with a wonderful range of color. They are valuable for their great variety in height, varying from 1 to 6 feet; for their great variety in shades of color, varying from the palest lavender through every conceivable shade of blue to deep indigo.

- **Chinese Blue.** 2 ft. Pure blue, in branching dwarf spikes. Very graceful for cutting. 3 for 85c; doz., \$2.50; 100, \$15.00.
- **Belladonna.** Sky-blue. June-Aug. 3 ft. 3 for 85c; doz., \$2.50; 100, \$15.00.
- **Bellamosum.** This is a dark form of the popular light blue Belladonna in habit and growth, but intensely rich, deep blue flowers. 3 for 85c; doz., \$2.50; 100, \$15.00.
- **Blackmore and Langdon Strain.** All the clear shades of blue with many delightful opaline variations, all with bees of contrasting colors. 3 for \$1.25; doz., \$4.00; 100, \$25.00.
- **Formosum.** June-Aug. Blue with white eye. 4 ft. 3 for 85c; doz., \$2.50; 100, \$15.00.
- **Summer Cloud.** The flowers are pure white. 3 for \$1.00; doz., \$3.50; 100, \$25.00.
- **Vaughan's Gold Medal Hybrids.** A wonderful strain grown especially for us. 3 for \$1.00; doz., \$3.50; 100, \$20.00.
- **Wrexham Hollyhock-flowered Strain.** New giant-flowered strain of superior quality. Flowers in blue, white and pink combinations, many of them bicolor, many of them 1½ to 2 inches in diameter. 3 for \$1.50; doz., \$5.00; 100, \$35.00.

DIANTHUS BARBATUS (Sweet William)

Sweet Williams look well in solid beds of masses and require a good, rich, well manured soil to grow them to perfection. Plants grow 18 to 24 in. high.

- Pink Beauty.** (Newport Pink.) 3 for \$1.00; doz., \$3.50; 100, \$20.00.

- Single Albus.** White. 3 for 85c; doz., \$2.50; 100, \$15.00.

Vaughan's Special Mixture, Sweet William. A mixture of all the beautiful varieties here listed and others. Varied and unique coloring and markings. 3 for 85c; doz., \$2.50; 100, \$15.00.

DIANTHUS (Hardy Garden Pink)

These very desirable sweet-scented, low-growing, early blooming and free flowering hardy garden pinks are unequalled for the borders of beds, carriage drives, and the old-fashioned garden.

- **Mrs. Sinkins.** Large double white. 3 for 85c; doz., \$2.50; 100, \$15.00.
- **Atrococcineous.** (Ever-blooming Sweet William). Deep crimson color, semi to fully double flowers, borne on stout stems, 15 to 18 inches high. 3 for 85c; doz., \$2.50; 100, \$15.00.
- **Plumarius.** Vaughan's Special Mixture. May-Oct. 15 in. 3 for 85c; doz., \$2.50; 100, \$15.00.

DICENTRA (Dielytra)**(Bleeding Heart or Seal Flower)**

- **Spectabilis.** Its long racemes of graceful heart-shaped pink flowers are always attractive. Is perfectly at home in any part of the hardy border and especially valuable for planting in the shade. Strong roots. Each, 55c; doz., \$5.00.

- × **Exima.** Plumy Bleeding Heart. Dwarf, 12 inches. Racemes of pendant pink flowers borne above fine cut feathery foliage. 3 for \$1.00; doz., \$3.50; 100, \$20.00.

ECHINACEA (Coneflower)

- **Purpurea.** (Purple Coneflower.) 3-4 ft. A very handsome border plant bearing large heads of rosy purple flowers and dark central disc. 3 for 85c; doz., \$2.50; 100, \$15.00.

ERIGERON (Flea Bane)

Valuable summer flowering plants with elegant single aster-like flowers, much prized for cutting.

- **Spicuosus Hyb. Grandiflorus.** June-July. 2 ft. Rich purple. 3 for 85c; doz., \$2.50; 100, \$15.00.



GYPSOPHILA (Baby's Breath)

FUNKIA or DAY LILY

Effective in front of shrubbery, under trees, or any shady position.

- **Subcordata Grandiflora.** Very large, pure white, lily-shape, fragrant flowers in August and September. 3 for \$1.00; doz., \$3.50; 100, \$20.00.
- **Coerulea (Lanceolata).** Long, narrow leaves, dull green; lilac-blue flowers during July and August. 3 for 85c; doz., \$2.50; 100, \$15.00.

GAILLARDIA (Blanket Flower)

Gaillardias are fine for bedding and borders, invaluable as a cut flower. Blooms all summer.

- **Grandiflora Mixed.** June-Oct. Mixed. 1½ ft. 3 for 85c; doz., \$2.50; 100, \$15.00.

GYPSOPHILA

Large graceful sprays of white flowers; splendid for cutting and for drying for winter bouquets.

- **Paniculata (Baby's Breath).** July-Aug. White. 2-3 ft. 3 for 85c; doz., \$2.50; 100, \$15.00.
- **Bristol Fairy, New.** Early double pure white large flowering perennial baby's breath. It is a new form, producing a second crop of spikes after the first have been cut. Plants, 75c each.
- × **Repens.** Dwarf white Baby's Breath. Splendid in rockery. 3 for 85c; doz., \$2.50; 100, \$15.00.

HEMEROCALLIS (Yellow Day Lily)

The Day Lilies are magnificent hardy plants and are undoubtedly among the finest plants for ordinary garden culture as they will grow anywhere in either partial shade or full sun. The flowers are produced in spikes of from six to a dozen blooms, opening in succession, and are very useful when cut for indoor decoration. Good for borders, shrubberies, wild garden or naturalizing in grass.

- **Aureole.** 3-ft. May-July. Orange shaded with crimson. 3 for 65c; doz., \$2.00; 100, \$10.00.
- **Dr. Regal.** Rich orange-yellow. May and June. 3 for 65c; doz., \$2.00; 100, \$10.00.
- **Flava.** May-June. Yellow. 3 ft. 3 for 65c; doz., \$2.00; 100, \$10.00.
- **Kwanso fl. pl.** June-July. Coppery red, double. 3 ft. 3 for 85c; doz., \$2.50; 100, \$15.00.

IBERIS (Perennial Candytuft)

Dwarf evergreen plants, 6 to 10 in. Covered with blooms in spring and early summer. Excellent for rockeries or borders where massed bloom is wanted.

- × **Gibraltarica.** Pinkish white. 3 for 85c; doz., \$2.50; 100, \$15.00.
- × **Sempervirens.** Flowers form a sheet of whiteness. 3 for 85c; doz., \$2.50; 100, \$15.00.

LIATRIS (Kansas Gay Feather)

- **Spicata.** (Button Snakeroot.) Purple flowers on spike 6 to 15 in. long. 2 to 3 ft. July-September. 3 for 85c; doz., \$2.50; 100, \$15.00.



SEDUM Spectabile

LYCHNIS (Jerusalem Cross)

- Arkwrightii. 2-3 ft. May. Brilliant pink to orange-scarlet. 3 for 85c; doz., \$2.50; 100, \$15.00.
- Chalcedonica. June-Sept. Orange-scarlet. 2-3 ft. 3 for 85c; doz., \$2.50; 100, \$15.00.

LYTHRUM

- Rose Queen. 2-3 ft. July-Sept. A remarkably free-blooming variety with long graceful spikes of rosy pink flowers. 3 for 85c; doz., \$2.50; 100, \$15.00.

MERTENSIA (Blue Bells)

A lovely plant for choice spots in borders, or rock gardens, preferring a southwest aspect; will thrive in any good soil and in the shade.

- ×Virginica. May-June. Light blue. 18 in. 3 for 65c; doz., \$2.00; 100, \$10.00.

PENTSTEMON (Beard Tongue)

Very showy, growing from 2 to 4 feet high, are rather bushy and have very long, slender spikes which bear many trumpet-shaped flowers with hairy throats.

- Coccineus. Scarlet. June-July. 3 for 85c; doz., \$2.50; 100, \$15.00.
- Digitalis. 2 ft. June-July. White, flowers with purple throat. 3 for 85c; doz., \$2.50; 100, \$15.00.

PHYSALIS FRANCHETTI

Chinese Lantern Plant. 1½ ft. Flowers yellow with dark center. Produces balloon-like husks the second year from seed, which resemble red Chinese lanterns. 3 for 65c; doz., \$2.00; 100, \$12.00.

PHYSOSTEGIA (False Dragon Head)

- Grandiflora "Vivid." One of the best of the late-blooming perennials. Vivid pink. 20 inches. Aug.-Sept. 3 for \$1.00; doz., \$3.50; 100, \$20.00.

PAPAVER (Oriental Poppy)

For gorgeous coloring the Oriental Poppies have few rivals among hardy plants. They produce magnificent effect in shrubberies and herbaceous borders. 3 ft. May-June.

- Mrs. Perry. Delicate salmon-rose, with black blotches. 3 for \$1.00; doz., \$3.50; 100, \$25.00.
- Royal Scarlet. 3 for 85c; doz., \$2.50; 100, \$15.00.

PLATYCODON (Chinese Bell Flower)

Very handsome border plants of the Campanula family, the flowers in bud having the appearance of inflated balloons; they flower from June to Sept.

- Grandiflorum. 1-2 ft. Large, handsome, deep blue flowers. 3 for 85c; doz., \$2.50; 100, \$15.00.
- Album. White. 3 for 85c; doz., \$2.50; 100, \$15.00.

POLEMONIUM (Jacob's Ladder)

Free flowering hardy perennial herbs, belong to the Phlox order. They have graceful, pinnate leaves, and bear their flowers in loose heads.

- Coeruleum Album. Pure white. 2 ft. April-July. 3 for 85c; doz., \$2.50; 100, \$15.00.
- ×Prima Donna. Dwarf plant with light blue flowers, 18 inches. 3 for 85c; doz., \$2.50; 100, \$15.00.

PYRETHRUM (Painted Daisy)

These are of great value for cut flower purposes, lasting in water longer than any flower we know. They are perfectly hardy, delighting in a cool, moist soil.

- Roseum, Single Mixed. June. 1½-2 ft. 3 for 85c; doz., \$2.50; 100, \$15.00.
- James Kelway. Rich velvety blood red. 3 for \$1.00; doz., \$3.50; 100, \$25.00.
- Uliginosum. 4 ft. Large giant daisy-like white flowers in great profusion in fall. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

SALVIA (Sage)

- Officialis. (Common Sage.) Used for seasonings and dressings. 3 for 65c; doz., \$2.00; 100, \$12.00.
- Azura Grandiflora (Meadow Sage). Sept.-Oct. Deep blue. 4 ft. 3 for 85c; doz., \$2.50.
- Pratensis. 2 ft. Aug.-Sept. Violet blue. 3 for 85c; doz., \$2.50; 100, \$15.00.

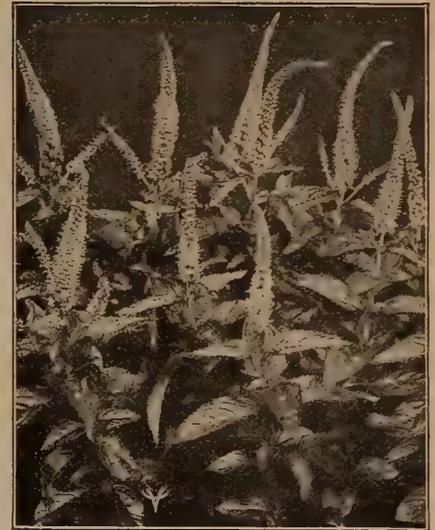
SAXIFRAGA (Megasea)

- ×Cordifolia. 1 ft. April-May. Graceful clustered leaves, hyacinth-like pink flowers. 3 for \$1.00; doz., \$3.50; 100, \$20.00.

SEDUM

Fine plants for rock-gardens, ruins, banks and walls, preferring open, loamy soil and stones. They will, however, flourish anywhere in city or country.

- ×Acre. (Golden Moss.) May-June. Bright yellow. 3 in. 3 for 85c; doz., \$2.50; 100, \$15.00.
- ×Kamtschaticum. 6 in. Prostrate green foliage turning yellow in fall. Orange-yellow flowers July. 3 for 85c; doz., \$2.50; 100, \$15.00.
- Rubrum. 2 ft. Sweet-scented red flowers. 3 for 85c; doz., \$2.50; 100, \$15.00.
- ×Sexangulare (Hexagon Stone Crop). An improved Acre. Dark green foliage, yellow flowers. May-June. 3 for 85c; doz., \$2.50; 100, \$15.00.
- ×Spectabile. June-July. Deep rose. 18 in. 3 for 85c; doz., \$2.50; 100, \$15.00.
- ×Stoloniferum. Pink flowers, 4 in. 3 for 85c; doz., \$2.50; 100, \$15.00.



VERONICA Speedwell

THALICTRUM (Meadow Rue)

The foliage is very finely divided like that of the Maiden-hair fern or Columbine and is useful in making bouquets. The flowers are borne in feathery clusters.

- Flavum. Common yellow variety. 2-4 ft. June. 3 for \$1.00; doz., \$3.50; 100, \$20.00.
- Aquilifolium. Feathered Columbine. Hand-some foliage; sepals white, stamens purple. 3 ft. 3 for 85c; doz., \$2.50; 100, \$15.00.

TUNICA

- ×Saxifraga. A pretty tufted plant with light pink flowers, produced all summer. Height, 6 in. A fine rock plant. 3 for 85c; doz., \$2.50; 100, \$15.00.

VERONICA (Speedwell)

Among the prettiest of herbaceous plants, bearing in most cases blue flowers, which are much needed.

- Elegans. 1½ ft. Erect growing, big spikes, pink flowers. July. 3 for \$1.00; doz., \$3.50; 100, \$20.00.
- ×Incana. 12 ins. Attractive, grey foliage. Spikes blue flowers in June. 3 for 85c; doz., \$2.50; 100, \$15.00.
- Longifolia Subsessilis. 2 ft. July-Sept. Spikes completely studded with blue flowers. A choice variety for cutting or decorative effect. 3 for \$1.50; doz., \$5.00; 100, \$35.00.
- ×Repens. Dwarf. Ground covering, blue. 3 for 85c; doz., \$2.50; 100, \$15.00.
- Spicata Alba. June-July. White. 18 in. 3 for 85c; doz., \$2.50; 100, \$15.00.
- Spicata. 2 ft. July-Aug. Small spikes of rich blue flowers. 3 for 85c; doz., \$2.50; 100, \$15.00.

VIOLA (Violet)

- ×Jersey Gem. Short, bushy growth, blooming throughout the summer, having flowers of rich purple violet. Long stems make it a good cut-flower variety. 3 for \$1.00, doz., \$3.50; 100, \$20.00.

- Beacon. Bright cherry red, strong grower. 3 for \$1.00; doz., \$3.50; 100, \$20.00.
- Bridesmaid. Pure white with large crimson-carmine eye. 3 for 85c; doz., \$2.50; 100, \$15.00.
- Enchantress. An improved E. Campbell, of richer color. 3 for \$1.50; doz., \$5.00; 100, \$35.00.
- Feurbrandt. Flame red, large trusses. A beautiful new variety. 3 for \$1.50; doz., \$5.00; 100, \$35.00.
- Goliath. Bright carmine flowers, shaded light and purple. 3 for \$1.00; doz., \$3.50; 100, \$20.00.
- B. Comte. Wine purple of satiny sheen. 3 for \$1.25; doz., \$4.00; 100, \$25.00.
- Jules Sandeau. Dwarf; very large-flowering; pure pink. One of the finest. 3 for \$1.25; doz., \$4.00; 100, \$25.00.
- La Vague. Pure mauve with aniline red eye. 3 for 85c; doz., \$2.50; 100, \$15.00.
- Le Mahdi. The best deep purple, large flower heads. The rich purple affords a pleasing contrast with other colors. 3 for \$1.50; doz., \$5.00; 100, \$35.00.
- Mrs. Jenkins. A very free-flowering early variety of medium height producing immense panicles of white flowers. 3 for 85c; doz., \$2.50; 100, \$15.00.
- Miss Lingard. (Suffruticosa.) Pure white; the earliest of all. Blooms all summer. Good for cut flowers. 3 for 85c; doz., \$2.50; 100, \$15.00.
- Mrs. Millie Von Hoboken. Pure soft pink without eye. Large flower heads on long erect stems. Very fine novelty. 3 for \$1.50; doz., \$5.00; 100, \$35.00.
- Miss Von Lassberg. The purest snow-white in cultivation. Extra fine. Large open truss, ideal as cut flower. 3 for 85c; doz., \$2.50; 100, \$15.00.

**Hardy Phlox
Phlox Decussata**

From the early part of July to the middle of September phloxes dominate in the perennial border. They grow to heights varying from 1 to 3 and even 4 feet. If the first flower spikes are cut off as soon as over, and the plants are given a good soaking, a second crop of bloom may be expected.

The blue, lavender and orange colored ones should be planted in semi-shade, as the sun often bleaches out the colors in a short time.

- Prof. Virchow. Broad flat flowers; bright carmine with an overlay of orange-scarlet. 3 for \$1.00; doz., \$3.50; 100, \$20.00.
- Rheinlander. A new variety of great beauty, a rare shade of salmon-pink intensified by a distinct claret red eye. Flowers and truss of unusual size. 3 for \$1.00; doz., \$3.50; 100, \$20.00.
- Rhynstrom. Beautiful rosy pink, color like a Paul Neyron rose. A good strong grower and free-flowering. 3 for \$1.00; doz., \$3.50; 100, \$20.00.
- Riverton Jewel. A lovely mauve-rose illuminated by a brilliant carmine-red eye. 3 for \$1.00; doz., \$3.50; 100, \$20.00.
- R. P. Struthers. Rosy carmine with claret eye. 3 for \$1.00; doz., \$3.50; 100, \$20.00.
- Siebold. An improved Coquilecot; vivid orange-scarlet. Somewhat brighter and a stronger grower. 3 for 85c; doz., \$2.50; 100, \$15.00.

- Special French. Lovely bluish pink, salmon eye. Strong grower, heavy hydrangea-like blooms. 3 for \$1.50; doz., \$5.00; 100, \$35.00.
- Thor. A splendid variety of a lovely shade of a deep salmon-pink suffused and overlaid with a scarlet glow. 3 for \$1.25; doz., \$4.00; 100, \$25.00.
- Von Hochberg. The ideal crimson. The richest of its color. 3 for \$1.50; doz., \$5.00; 100, \$35.00.
- Widar. Violet-blue with a pure white eye. Fine large flowers. 3 for \$1.00; doz., \$3.50; 100, \$20.00.
- W. C. Egan. Delicate lilac-pink with soft cerise eye; fine. 3 for \$1.00; doz., \$3.50; 100, \$20.00.
- MIXED. 1-year field-grown plants of a choice mixture of colors. Un-named varieties. Our selection. 3 for 65c; doz., \$2.00; 100, \$12.00.
- SPECIAL OFFER No. 23. One each of 10 varieties, our selection from above. All distinctly labeled for \$3.00.
- SPECIAL OFFER No. 23A. One each of 6 varieties our selection. Distinctly labeled for \$1.95.

Dwarf and Alpine Phlox

- ×Divaricata Canadensis. Worthy of extensive planting, commencing to bloom early in April, with large, fragrant, lavender flowers on stems 10 inches high. 3 for 65c; doz., \$2.00; 100, \$12.00.
- ×Subulata Alba. A compact mass of elegant prostrate foliage, dainty white flowers in May; height 4 in. 3 for 85c; doz., \$2.50; 100, \$15.00.
- ×Subulata Lilacena. Moss-like foliage of prostrate growth completely covered with pale lilac bloom in May. 3 for 85c; doz., \$2.50; 100, \$15.00.
- ×Subulata Rosea. Same as above, but dainty pink flowers. 3 for 85c; doz., \$2.50; 100, \$15.00.



PROSPERO



JAPANESE IRIS



AMBASSADEUR

Vaughan's Irises

Flag Iris or Fleur de Lis

PLANTS BY PARCEL POST—If to be sent by parcel post, add postage as follows: Single plants, 5c; 3 plants, 10c; 6 plants, 15c; 12 plants, 25c. We accept no responsibility for delays or conditions that may prove injurious to the contents.

PLANTS BY EXPRESS—We recommend this mode of transit where quantities are over 18 to 24 plants. We pack carefully, but accept no responsibility for delays over which we have no control that may cause injury to the contents.

"S" refers to the three standard, or upright curling petals; "F" to falls or drooping petals.

The figures preceding the varieties are the exhibition rating given to them by the Iris Society, 10 being the highest rating used in judging.

Irises are the most effective if planted 3 of a kind in a clump.

Relative Prices (except where noted)

35c varieties supplied 3 of one kind for 70c.
50c varieties supplied 3 of one kind for \$1.00.
75c varieties supplied 3 of one kind for \$1.50.
\$1.00 varieties supplied 3 of one kind for \$2.00.

NEW VARIETIES AND NOVELTIES

- 8.1 **Ariadne**. 38 in. A beautiful flower of good substance; S. pure silvery light blue, with wavy edges; F. deeper blue with violet base. Free flowering. \$1.25.
- 9.2 **Asia**. 45 in. One of the most beautiful and finest Irises in cultivation. S. pale silvery lavender deepening at the base to golden yellow. F. pale reddish purple, lighter at the edges. Flowers exceptionally large. Late. \$1.50.
- 7.4 **Autumn King**. 30 in. A blue-purple bicolor of fine size and shape that has a habit of blooming a second time in the autumn. \$1.50.
- 8.4 **Canopus**. 36 in. A wonderful Dominion seedling. S. reddish violet, broad and finely arching; F. rich pansy violet. Large flowers of great substance. \$1.50.
- 8.4 **Caroline E. Stringer**. 33 in. Large delicate rose-flushed flowers of exceptional substance. Strong vigorous plant and free bloomer. \$1.50.
- 8.2 **Chasseur**. 36 in. A fine yellow Iris. Large flowers with broad standards and well-rounded falls of clear yellow, shaded lighter at center. \$1.50.
- 8.8 **Dominion**. 30 in. An outstanding Iris because of its wonderful rich coloring and extraordinary development of the falls. S. Dauphin's blue or light bluish violet; F. deep indigo-purple well expanded. \$4.00.
- 8.0 **Folkwang**. 30 in. S. light rose-pink; F. claret-red with conspicuous veinings of brownish yellow, edged rose-pink. Beautiful color blend. \$1.00.
- 8.9 **Frieda Mohr**. 42 in. A gigantic pink toned Iris that measures 6½ inches from the top of the standards to the tip of the falls and 6 inches horizontally. The flower is of perfect form, good texture and brilliant coloring; very stately and beautiful and one of the very best of the "pinks". Exquisite locust-like perfume. \$4.50.
- 8.3 **George Yeld**. 40 in. An outstanding variety with a new combination of colors. S. bright apricot shaded rose; F. brilliant rose-crimson, edged buff. \$1.50.
- 9.1 **Germaine Perthuis**. 36 in. An enormous, rich violet purple, self-lighted by a striking yellow beard. Flowers have a wonderful velvety appearance and are deliciously scented. A descendent of S. de Mad. Gaudichau. \$3.50.

- 8.6 **Gold Imperial**. 33 in. Brilliant chrome yellow throughout except for conspicuous orange beard. A fine Iris of rare texture and form. \$1.00.
- 8.5 **Jubilee**. 30 in. A large ruffled flower of extra heavy substance. S. buff or rich peach color; F. cream white, margined and flecked deep copper. \$1.50.
- 8.0 **Kalos**. 32 in. An exquisite white Iris lightly veined and flecked pale rose. Standards slightly ruffled; bright yellow beard. \$1.00.
- Labor**. 36 in. An extraordinary Iris of an absolutely new color. S. dark violet heliotrope suffused with a soft coppery glow; F. deeper shade. A beautifully colored new Iris that is highly rated in England. \$5.00.
- 8.8 **Leonato**. 48 in. An unusually fine Iris with exceedingly large and shapely fragrant flowers. Color pale lavender to silvery heliotrope. \$2.00.
- 8.8 **Majestic**. 42 in. Dominion Seedling. Very large flowers of fine form, good substance and lasting quality. S. circular and arching, light lavender to mauve; F. very rich velvety raisin-purple. \$2.00.
- 8.4 **Mary Gibson**. 42 in. S. light bronze overlaid with old rose; F. old rose suffused bronze with yellow base. Beautiful and distinctive. \$1.50.
- 9.0 **Micheline Charriere**. 54 in. A perfect white Iris with beautiful golden reticulations. Flowers are very large, of fine form and the greatest substance, on tall firm stems. Delicious carnation fragrance. \$5.00.
- Midgard**. 36 in. One of the new varieties introduced by Mr. Sass. Exceptionally large flowers of a yellow and pink blend of indescribable beauty \$5.00.
- 8.6 **Mildred Presby**. S. white; F. rich, dark, velvety pansy-violet with narrow edge of lavender white. Large flowers of clear coloring. \$1.00.
- 9.1 **Morning Splendor**. 48 in. S. petunia violet; F. rich raisin-purple. The flowers are large, of fine form, heavy substance, and delightful fragrance; gives a beautiful red effect in the garden. \$1.50.
- Mrs. Albert Sherman Hoyt**. 27 in. A beautiful Iris of large size and perhaps the most ruffled of all varieties. S. pale pink, of heavy substance, ruffled; white veined and dotted pink on edge and haft, ruffled and flaring. \$3.50.
- 8.3 **Robert W. Wallace**. 40 in. A magnificent dark pallida of richest red-purple coloring. A glorified Archeveque on a tall well-branched stem. \$2.50.
- 9.1 **Santa Barbara**. 40 in. A gigantic light blue self of perfect form with flaring falls. An outstanding variety and one of the finest of its color. \$1.50.
- 9.2 **Souv. de Loetitia Michaud**. 48 in. Magnificent flowers of an attractive shade of lobelia blue, shading toward the edge to pale blue; tall and free flowering on well branched stalks. \$3.00.
- 8.5 **Susan Bliss**. 42 in. Exquisite flowers of a uniform shade of deep rose-pink with a light orange beard. Fine shape and of splendid substance. \$1.00.
- 8.8 **Tenebrae**. 36 in. A richly colored Dominion seedling. S. deep violet-purple with maroon-purple shades in center; F. smooth and rounded, velvety black-purple. Large finely formed flowers. \$2.00.
- 8.4 **Titan**. 36 in. A Dominion Seedling with flowers of enormous size. S. light violet-blue, broad and arching; F. violet-purple, spreading and of very great substance. \$2.00.
- 8.2 **Taj Mahal**. 38 in. A very fine white of good shape and great substance borne on tall, well-balanced stalks. Vigorous grower. \$1.25.
- 8.5 **Valencia**. 30 in. A bright orange-buff, similar to the color of the Valencia orange. A very charming new color. \$1.50.
- 8.0 **Wild Rose**. 33 in. A charming pink flower of smooth satiny texture, in some lights almost the exact shade of the Prairie Rose. \$1.00.
- 8.7 **Yolande**. 40 in. A seedling of Souv. de Mad. Gaudichau of a wonderful shade of rich, velvety dark blue-purple. Very large flowers. \$1.50.

Special Offer No. 26

One each Asia, Chasseur, Frieda Mohr, Germaine Perthuis, Morning Splendor and Santa Barbara (value \$14.00) for \$10.00.

IRISES—Continued

TWENTY OF THE WORLD'S FINEST VARIETIES

- 9.2 **Ambassadeur.** 40 in. S. smoky bronze; F. dark velvety maroon. Voted by the American Iris Society the most popular Iris in the world. Late. 60c.
- 9.0 **Ballerine.** 48 in. One of the best of the light blue toned varieties. S. light violet-blue with waved edges; F. slightly deeper. Fragrant. 75c.
- 8.4 **B. Y. Morrison.** 33 in. A very popular bicolor. S. pale lavender-violet; F. horizontal, velvety purple with broad lavender border. 75c.
- 8.5 **Crusader.** 42 in. A very striking flower of brilliant clear blue. S. light blue; F. deep violet-blue; attractive orange beard. 75c.
- 8.4 **Dream.** 36 in. A very lovely, orchid-like flower of a soft clear pink. Of graceful Pallida habits, vigorous in growth and free flowering. 50c.
- 8.0 **Flammenschwert.** "Flaming Sword". 30 in. S. bright clear yellow; F. velvety brown with yellow border. One of the brightest Variegatas. 50c.
- 8.3 **Imperator.** 36 in. A large red toned Iris that adds a bright note to the garden. S. reddish-violet tinted buff; F. deeper shade. Late. 75c.
- 8.0 **Lady Byng.** 36 in. A beautiful Iris of exceptionally fine form and substance. Color a clear pale lavender with a slight suffusion of rose. 75c.
- 8.8 **Lord of June.** 40 in. S. flappy lavender-blue; F. rich violet-blue. Flowers exceedingly large and handsome; bold and vigorous habit. 60c.
- 8.7 **Magnifica.** 44 in. S. light purple on white; F. dark reddish purple. Flowers of heavy texture, measuring 6 inches high. Fragrant. \$1.00.
- 8.8 **Mlle. Schwartz.** 48 in. Lovely pale mauve flowers of exceptionally large size, borne on very tall branching stems. 50c.
- 8.4 **Medrano.** 30 in. S. and F. a beautiful dark smoky claret, a very rare color. Flowers of large size. Late. 50c.
- 8.4 **Mother of Pearl.** 48 in. A pale bluish lavender flower of exceptional substance and lustrous texture. A wonderful Iris; free flowering. 50c.
- 8.3 **Ochracea (Sunset).** S. dull old gold; F. coppery yellow, tinged with purple. Flowers of wonderful coloring and artistic form. Late. 75c.
- 9.0 **Princess Beatrice.** 40 in. A selected form of Pallida Dalmatica and one of the finest of all Irises. Silvery lavender of satiny texture. 50c.
- 8.1 **Prospero.** 48 in. A vigorous tall-growing variety bearing enormous flowers of fine shape. Similar to Lent Williamson but of lighter coloring. 75c.
- 8.8 **Queen Caterina.** 40 in. Pale lavender violet with a smooth iridescent sheen and bright orange beard. A beautifully colored Iris. 50c.
- 8.4 **Shekinah.** 36 in. Clear soft yellow, shaded deeper through the center. One of the finest of yellow Irises and the first of Pallida growth. 50c.
- 9.1 **Souv. de Mad. Gaudichau.** 40 in. This is without a doubt the most beautiful of all the deep purple Iris. Large flowers of rich velvety purple. 75c.
- 8.5 **Sweet Lavender.** 36 in. S. pale lavender; F. deep rose-lavender, very broad and horizontal. A lovely Iris with fine fragrance. Late. 50c.

Special Offer No. 27

One each 'Ambassadeur, Ballerine, Dream, Imperator, Prospero, Princess Beatrice, Shekinah and Souv. de Mad. Gaudichau (value \$5.10) for \$4.00; 3 each for \$8.00.

TWENTY SPLENDID STANDARD VARIETIES

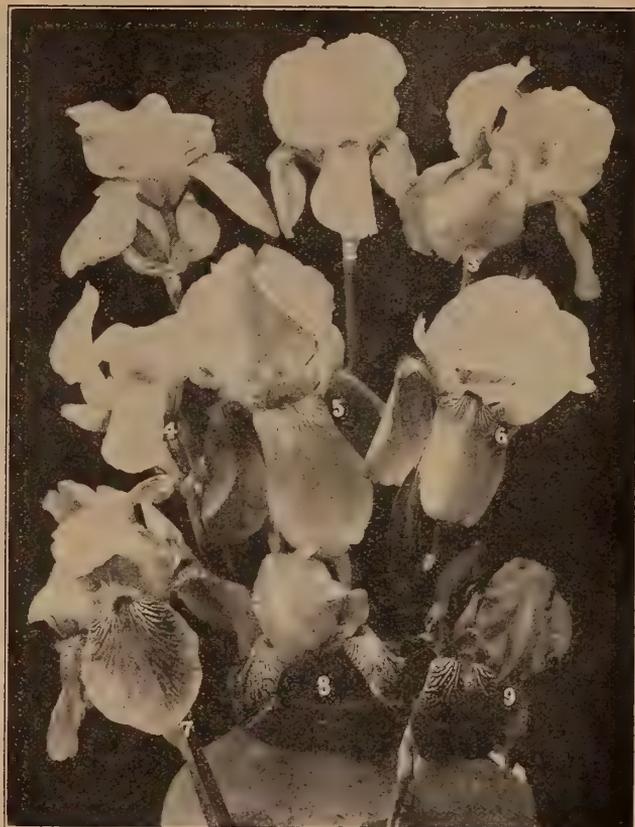
- 8.3 **Afterglow.** 36 in. Soft grayish-lavender shaded yellow at the center. 35c.
- 8.6 **Alcazar.** 40 in. S. bluish-white; F. purple-crimson. Large and fragrant. 35c.
- 7.6 **Ben Bow.** 36 in. Deep violet-blue of Pallida form. Very fine color. 50c.
- 7.9 **Cecil Minturn.** 24 in. A beautiful flower of a soft shade of cattleya-rose. 50c.
- 8.0 **Cluny.** 48 in. S. wisteria-violet; F. soft, bluish violet; large flowers. 35c.
- 7.6 **Dalila.** 24 in. S. pale flesh white; F. rich red-purple. Beautiful. 35c.
- 8.0 **Iris King.** 24 in. S. old gold; F. velvety crimson. Very rich coloring. 35c.
- 8.3 **Isoline.** 36 in. S. lilac-pink; F. purplish old rose. Handsome flowers. 35c.
- 7.8 **La Neige.** 24 in. Pure glistening ivory white with horizontal falls. 35c.
- 8.8 **Lent A. Williamson.** 42 in. S. campanula violet; F. velvety royal purple; early. 35c.
- 7.5 **Mrs. Walter Brewster.** 36 in. S. lavender-blue; F. aniline-blue. Late. 50c.
- 7.9 **Neptune.** 42 in. S. bluish violet; F. violet. Large attractive flowers. 50c.
- 8.2 **Opera.** 28 in. S. reddish-purple; F. purple-violet. Wonderful coloring. 50c.
- 8.6 **Prosper Laugier.** 36 in. S. fiery bronze; F. velvety ruby-purple. 35c.
- 7.4 **Raffet.** 30 in. S. violet; F. darker with velvety veinings. Very late. 35c.
- 8.0 **Rosalba.** 36 in. S. rich wine-red; F. deeper tone. A distinct red-toned Iris. 50c.
- 7.4 **Roseway.** 36 in. Deep red-pink Pallida. Early. Strong branching stalks. 50c.
- 8.3 **Seminole.** 30 in. S. soft violet-rose; F. velvety crimson. Outstanding. 35c.
- 7.8 **Troost.** 30 in. S. rosy purple; F. lighter, veined violet. Bright pink effect. 35c.
- 7.9 **White Knight.** 24 in. A beautiful snow-white Iris; delicately sweet scented. 50c.

Special Offer No. 27A

One each Cluny, Iris King, La Neige, Lent A. Williamson, Mrs. Walter Brewster, Opera, Prosper Laugier, Raffet, Seminole and Troost (value \$3.80) for \$3.00; 3 each for \$6.00.

GOOD STANDARD VARIETIES AT BARGAIN PRICES

- Price, any of the following: Each, 35c; 3 of one kind for 70c; 10 of one kind for \$1.50; 25 of one kind for \$2.50.
- 7.9 **Archeveque.** 24 in. Deep velvety violet-purple. An exquisite Iris.
 - 7.1 **Caprice.** 24 in. S. reddish purple; F. deeper; grape fragrance.
 - 7.7 **Dejazet.** 24 in. S. bronze rose; F. reddish violet; large flower. Early.
 - 7.8 **Grevin.** 26 in. S. violet shaded yellow; F. wine-red. Late.
 - 7.3 **Jeanne d'Arc.** 30 in. White, edged lavender. Very dainty and charming.
 - 7.5 **Juniata.** 42 in. Large flowers of clear deep blue. Very sweet scented.
 - 7.5 **Kochi.** 24 in. Rich claret-purple, a striking dark flower. Very early.
 - 7.6 **Lohengrin.** 36 in. Large, handsome pink silvery mauve flowers.
 - 7.3 **Loreley.** 32 in. S. light yellow; F. purple bordered cream. Free flowering.
 - 7.4 **Monsignor.** 24 in. S. bluish lavender; F. violet. Blooms a long time.
 - 7.2 **Quaker Lady.** 38 in. Smoky lavender blue with yellow shadings. Attractive.
 - 7.1 **Queen of May.** 30 in. Lilac-pink. A fine old variety; fragrant. Early.
 - 8.2 **Rhein Nixe.** 36 in. S. white; F. rich violet-purple. A charming flower.
 - 7.7 **Sherwin Wright.** 26 in. Deep golden yellow. Prolific bloomer.
 - 7.2 **Stormcloud.** 36 in. Large flowers of grayish slate-blue with bronze shadings.
 - 7.3 **Trianon.** 28 in. S. nearly flesh; F. yellow with a cast of blue. Late.
 - 8.0 **Zwanenburg.** 20 in. S. cream, striped maroon; F. dark olive-brown. Early.
 - 7.4 **W. J. Fryer.** 30 in. S. bright yellow; F. deep maroon with yellow border.



- | | | |
|------------|-----------------|--------------------|
| 1. TRIANON | 4. JEANNE d'ARC | 7. MONSIGNOR |
| 2. JUNIATA | 5. ALCAZAR | 8. TROOST |
| 3. CAPRICE | 6. ISOLINE | 9. PROSPER LAUGIER |

Special Offer No. 27F

One each of the nine Irises illustrated above, for \$2.25.

Special Offer No. 27B

One each Caprice, Dejazet, Grevin, Juniata, Loreley, Monsignor, Quaker Lady, Queen of May, Rhein Nixe, Sherwin Wright, Storm Cloud and Trianon (value \$4.20), for \$2.50; 3 each for \$5.00.

Special Offer No. 27C

10 each of 5 good named varieties (50 plants), our selection, for \$3.00.

JAPANESE IRISES (Kaempferi)

The last of the Iris Species to bloom and the most beautiful, their remarkable flowers, generally rather flat and wide, appearing in June and July. Plant in a sunny and moist location, but not where water will stand.

- Gold Bound.** Double. White with gold-banded center. Earliest to bloom.
 - Kumochi-Guma.** A very full double of dark purplish indigo. Midseason.
 - Kumo-No-Obi (Band of Cloud).** A beautiful double of pleasing lavender effect.
 - Mahogany.** Large double flowers of velvety-mahogany red. Late.
 - Momigi-No-Taki (Maple Waterfall).** Bright rosy crimson feathered in white. D.
 - Purple and Gold.** An enormous double of rich violet-purple with gold center.
 - Uchiu.** Cerulean blue, veined white; gold center. Blooms a long time. Double.
 - Sea Crest.** Six large wavy white petals with a deep blue haft.
 - Zama-No-Mori.** White slightly shaded azure blue. A large, daintily colored single. Price of above, except where noted, each 50c; 3 for \$1.25; 10 for \$3.75.
- Mixed Seedlings. Each, 50c; 3 for \$1.00; 10 for \$2.50; 100 for \$20.00; clumps, each, \$1.00.

Special Offer No. 27D

One each of the above 9 named Japanese Irises for \$3.50; 3 each for \$7.00.

VARIOUS IRISES

- Cristata (Crested Iris).** Early. A dainty dwarf creeping variety with large blue flowers. Fine for use in the rock garden. 35c; 3 for 75c; 10 for \$2.00.
- Dorothy K. Williamson.** 33 in. A rich velvety royal purple flower of intense color. One of the finest beardless Irises. Plant in moist, well-drained soil. 75c.
- Pseudoacorus (Common Yellow Water Flag).** 48 in. Bright yellow. Fine for waterside planting. Will succeed where water stands or in dry locations. 35c.
- Pumila Hybrida.** Dwarf varieties, growing from 6 to 8 inches high, that bloom two weeks in advance of the German Iris. Suitable for rock gardens or borders.
- Cyanea.** Rich royal purple with black shading. Fragrant. 35c.
- Dixmude.** S. aniline blue; F. rich crimson-purple. White throat, veined purple. 50c.
- Sibirica.** One of the most valuable Iris groups. They grow on tall stems, have graceful, grass-like foliage, and are excellent for cutting. Always ornamental.
- Butterfly.** 36 in. Lovely porcelain blue flowers; vigorous grower. 75c.
- Emperer.** 48 in. Large flowers of a deep, rich violet-blue. Very fine. 75c.
- Perry's Blue.** 48 in. Large, well formed flowers of a beautiful shade of sky-blue. One of the most popular and finest of Siberian Irises. 75c.
- Orientalis.** 24 in. Rich deep purple. Fine for naturalized plantings. 35c.
- Snow Queen.** 36 in. Large, ivory white with rich yellow blotch at the throat. 35c.

Special Offer No. 27E

One each of Emperer, Perry's Blue and Snow Queen for \$1.50; 3 each for \$3.00

Versicolor (Common American Water Flag). 24 in. Showy violet-blue, remaining in bloom for a long time. Good for waterside plantings. 35c.

Vaughan's Peonies

PEONIES, especially the modern introductions, are probably the most valuable, and most beloved of all perennial plants. Planted in sun or semi-shade in single clumps or long beds; or bordering lawns, shrub rows, and carriage drives, they give a grand display of large fragrant blossoms of brilliant colors during June, followed by their exquisite foliage which is very ornamental during summer months. They are also most effective for home and table decorations, and last longer in water than many other perennials. Avoid buying cheap Peonies; they require just as much care as the better kinds, and are disappointing in the end.

Planting. Peonies may be planted only in the fall. Orders should be sent in at once so that we can forward when weather permits. Avoid planting too deeply, as this is often the cause of shy blooming, 2 or 3 inches of soil over the crown (eyes) being sufficient. We offer **Divided roots**, natural divisions, having 3 to 5 eyes of blooming size.

The figures preceding the varieties are the rating given to them by the American Peony Society, based on a scale giving 10 points for perfection.

Peonies in the Little Garden. By Mrs. Edward Harding. This is a delightfully written book which epitomizes the experience of years, and provides entertainment, instruction and inspiration for the peony admirer. Postpaid, \$1.80.

Light and Dark Pink and Rose

- 7.1 **Alexander Dumas.** Light violet-rose, medium size. A creamy white collar of narrow petals mingled with the white outer petals. A good producer. Early midseason. 75c.
- 8.7 **Claire Dubois.** Very large, double, globular flowers; color rich clear satiny pink, with glossy reflex. Late midseason. \$1.00.
- 7.7 **Dorchester.** Delicate salmon pink, a rare color. Dwarf. Very late. 75c.
- 7.6 **Edulis Superba.** Usually blooms on Decoration Day. Bright clear mauve-pink, with silvery reflex. Large and fragrant. 75c.
- 8.5 **Exquisite.** Semi-double flowers of bright cherry rose, tipped silvery white. Golden stamens. Midseason. Fine garden variety. Each, \$3.00.
- 8.9 **Georgiana Shaylor.** Large, flat, pale rose-pink with a few flecks of crimson. Strong grower and midseason bloomer. D, \$2.50.
- 7.9 **Jeanne d'Arc.** Collar, cream-white, shaded with sulphur. Guards, pale lilac-rose, and full high brilliant pink center, with occasional carmine spots. Free midseason bloomer. Exquisitely fragrant. 75c.
- 9.1 **Lady Alexandra Duff.** Resembles an enormous tea rose. Delicate pale-pink fading to white. Main flower large, cup-shaped, rose type. Blossoms form side buds often semi-double, exposing the anthers; fragrant. \$2.00.
- 9.0 **La France.** Soft appleblossom-pink, deeper at the base of petals; fragrant. Flowers of largest size, globular, perfectly double, rose type. A strong, erect grower. \$4.00.
- 7.5 **La Tulipe.** Very large shell-formed bloom; delicate rose, fading to creamy white; center petals tipped with carmine; outside of guard petals striped with carmine; late. 75c.
- Lillian Gumm.** Rose type; midseason. Deep pink reflecting mauve. Resembles La France, but has better stalk. Very large, profuse bloomer. \$6.00.
- 8.8 **Loveliness.** A beautiful variety with large, flat rose-type flowers of hydrangea-pink, changing to lilac-white. Blooms late on strong, medium tall stems. Fragrant. \$2.00.
- 7.9 **Mad. Ducl.** Light rose, with silvery reflex; globular compact blooms. Strong grower, medium height. Fragrant. 75c.
- 8.5 **Mad. Emile Galle.** Large, flat flowers of rose type, open in late midseason. Delicate shell-pink with touches of heliotrope and lavender. \$1.00.
- 7.9 **Mad. Joanne Sallier.** Rose-pink with occasional flecks on guards and center. Semi-double blooms of large size on tall, strong stems. Early. \$2.00.
- 8.4 **Margurite Gerard.** Large, semi-rose developing into a crown with stamens. Very pale hydrangea-pink, fading to nearly white, central petals flecked dark carmine. Free, late. \$1.00.
- 9.1 **Martha Bullock.** Attains a height of five feet, and its cup-shaped flowers of a soft shell-pink outside, shading to a deep rose-pink in the center are often 9 to 12 inches in diameter. \$5.00.
- 8.7 **Mary P. King.** Light coral-pink on outer petals deepening toward center. Center petals delicately margined with lavender. A prolific bloomer. Mild fragrance. \$4.00.
- 9.0 **Mary Woodbury Shaylor.** Midseason. Large cup-shaped flowers of clear pink with a creamy colored collar and golden heart. Dwarf grower and profuse bloomer. \$5.00.
- 9.2 **M. Jules Elie.** By many considered most beautiful of peonies. The flowers are immense, globular, glistening lilac-pink, shading to deeper rose at the base, all overlaid with a sheen of silver. \$1.25.

Un-named Peonies

- Double White—**
50c; 10, \$4.00.
- Double Red—**
60c; 10, \$5.00.
- Double Pink—**
50c; 10, \$4.00.
- Double Mixed—**
40c; 10, \$3.00.



1. FESTIVA MAXIMA
2. EDULIS SUPERBA
3. M. JULES ELIE
4. FELIX CROUSSE

See Special Collection on Page 3

White and Light Varieties

- 9.0 **Milton Hill.** Clear pink overlaid with sheen of delicate lilac. Very large bloom; excellent for cutting; late. \$2.50.
- Minamota.** An unusual flower, almost semi-double, of a vivid rose-pink with a mass of yellow stamens interspersed through the center. Strong grower. \$5.00.
- 7.8 **Modele de Perfection.** Compact, cup-shaped blooms of light violet-rose. Free-blooming and fragrant. Late. 75c.
- 8.5 **Octavie Demay.** Very large, flat crown, guards and center delicate hydrangea-pink, collar almost white. Very fragrant, very dwarf; Early. \$1.00.
- 8.2 **Pierre Duchartre.** Rose type; late. Large, compact flowers of a delicate flesh pink; very fragrant. \$1.50.
- 8.7 **President Taft.** A vigorous, strong grower, a profuse bloomer, every shoot being crowned by a big bloom, none larger. The color is a delicate hydrangea-pink; slightly fragrant. \$1.25.
- 7.4 **Princess Beatrice.** Light violet-rose crown and guards, creamy white collar; speckled crimson center; compact and large; free bloomer; fragrant; early midseason. 75c.
- Queen Wilhelmina.** Full rose type of rich soft pink with deeper center and salmon tints. Strong, upright grower; midseason. \$2.00.
- 8.8 **Rosette.** A fine, early variety of semi-rose type on erect stems. Color silvery flesh, illuminated with salmon tints at base of petals and flecked crimson on border. \$3.00.
- 9.0 **Sarah Bernhardt.** This symmetrical plant of medium height is strong growing and erect. It bears profusely large rounded flowers of semi-rose type, fragrant and of a uniform mauve-rose throughout. Late. \$1.50.
- 7.8 **Souvenir de Francois Ruitton.** Very large, globular, rose type flowers of bright cherry-pink; dark carmine at base of petals. Tall and strong growing. \$2.50.
- 9.1 **Souvenir de Louis Bigot.** Rose type; midseason. Very large, convex blooms with fringed petals. Color Bengal-rose, slightly tinged carmine at the base, turning to salmon-pink, with very bright silvery reflex. \$4.00.
- 9.8 **Therese.** A most desirable variety of a charming shade of violet-rose, changing to lilac-white. Develops a high crown, strong grower and free-bloomer. Midseason. \$3.00.
- 9.3 **Walter Faxon.** Ranked by Mrs. Harding with Solange and LeCygne as the three finest peonies. "Here is the most delectable hue of pink displayed by any of the peonies outside of the tree peonies," she writes. It is a free-blooming variety and grows strongly. It is very scarce. \$3.00.
- 8.8 **Alsace Lorraine.** Semi-rose; late midseason. Very large, flat bloom. Petals pointed and arranged like a water lily. Creamy white center delicately tinted brownish yellow. \$2.00.
- 9.0 **A. M. Slocum.** Attractive, loose flower of rose type. White, with a few central petals slightly edged carmine and golden stamens that give a creamy effect. A strong, upright grower and free bloomer. \$4.00.
- 8.7 **Avalanche (Albatre).** A magnificent flower which opens like a rose. Pure white with a few pencillings of carmine on the edge of center petals. Fragrant; crown type; late midseason. \$1.00.
- 9.0 **Baroness Schroeder.** Rose type; late. White with shadings of flesh. One of the finest. Immense flowers of great substance with high chalice-shaped center. True June rose fragrance. \$1.25.
- 8.1 **Couronne d'Or.** Large, flat, semi-rose type. Pure white, with a circle of bright yellow stamens that suggest its name "Crown of Gold." Medium tall, free bloomer. Late midseason. 75c.
- 7.8 **Duc de Wellington.** Mrs. Edward Harding says: "Its sulphur-and-white coloring makes it desirable as one of the few yellow-tinted peonies." Tall, fragrant, blossoms freely. Late midseason. D, 75c.
- 8.1 **Duchess de Nemours (Calot).** Flower large, crown type and beautiful in the bud. Color sulphur-white with greenish reflex and no trace of crimson. Early. 75c.
- 9.2 **E. B. Browning.** Immense, semi-rose form. Delicate pink tint, outer petals and center marked crimson. Tall; fragrant; very late. \$3.50.
- 8.9 **Enchantress.** Large, globular flower of rose type on tall, stiff stems. Creamy white with crimson tracings. Late. Fragrant. \$3.00.
- 9.3 **Festiva Maxima.** One of the old varieties which Mrs. Edward Harding says, "should be in every garden, large or small, lavishly arrayed or economically furnished. It is to the peony world what Pallida Dalmatica is to the iris world." Flowers of white, dotted with carmine, are often 7 to 8 inches in diameter. 75c.
- 9.1 **Francis Willard.** A perfectly-formed flower that is found among the winning classes in every show-room. A very large, semi-rose type of bloom, often having a raised, cup-shaped center inclosing golden stamens. Opens an exquisite blush-white, with an occasional carmine touch, changing to pure white. Of good substance and a fine cut-flower variety. Late midseason. D, \$2.00.



MADAME DE VERNEVILLE



MARGUERITE GERARD



DUC DE WELLINGTON



MODELE DE PERFECTION

PEONIES, White and Light Varieties—Cont'd.

- 8.9 **James Boyd.** Beautiful, compact blooms of globular rose form. Flesh changing to nearly white, tinted at the base with a yellowish salmon. Guard petals notched at the tips, giving a fringed effect. Fragrant; late. \$7.00.
- 9.8 **Kelway's Glorious.** Large flower, full of glistening white petals, the outer edges of which are slightly crinkled and curved inward. The outside petals are flushed with pink, while it is fragrant, as Mrs. Harding says, "to an unbelievable degree." Scarce. Late midseason. \$8.00.
- 8.3 **La Rosiere.** A dainty peony with rose-like flowers. It should not be disbudded, as sprays of its flowers are charming. It is semi-double, the outer petals pure white at center with a yellowish white border. Midseason. \$1.00.
- 9.9 **LeCygne.** (The Swan.) "One of the three finest peonies," says Mrs. Harding. The curving petals of this magnificent flower are arranged like the feathers on a swan's wing. "Symmetrical, globular, of great size, fragrant, free-blooming, and milk-white," continues Mrs. Harding, "LeCygne stands by itself." It is unquestionably the finest white, and received the highest rating in the American Peony Society's referendum. \$7.50.
- 7.9 **Mad. de Vetry.** Crown type of milk white with lilac white guard petals. Fragrant. Early Midseason. 75c.
- 7.9 **Madame de Verneville.** Guard petals sulphur-white, center delicate flesh. Flowers very double and compact, imbricated; borne on long stems. Fragrant. 75c.
- Madame Edouard Doriat.** Globular flower, with rounded petals; white with a carmine border. Full and large. Long, strong stems. Late. \$15.00.
- 8.9 **Mme. Emile Lemoine.** As the flower opens it has the cream-and-blush tinting of an oriental pearl, exquisite and delicate. It should be screened from the sun. The blossoms are very large, and imbricated, each panel overlapping the other. Midseason. D, \$1.50.
- 9.4 **Mme. Jules Dessert.** A strong-growing, free-blooming plant, of delicate coloring. When the flower is cut just as the bud unfolds, and is allowed to open in a shaded room, wonderful tints of flesh, straw and white can be seen to perfection. Midseason. D, \$2.50.
- 8.5 **Marie Lemoine.** Large, compact, rose form of a delicate ivory-white with occasional carmine markings. Dwarf, strong grower and fragrant. Very late. \$1.00.
- 7.8 **Miss Salway.** Very large, compact, globular flower, lilac-white with lighter collar. Midseason. \$4.00.
- 8.3 **Mons. Dupont.** Large, cup-shaped flower; ivory-white. The golden stamens show at the base of the petals; fragrant; a strong grower; tall; midseason. \$1.00.
- 8.8 **Nymphaea.** Large, flat flower of delicate creamy white. Notched at tip and edges somewhat rolled. Yellow stamens in center and a reflex of golden light through the whole flower. Midseason. \$3.00.
- 8.9 **Pleas' Jubilee.** Extremely large, flat flowers of ivory-white; petals long and narrow, loosely arranged, giving a feathery effect; large, rather flat flower; a strong grower and free-bloomer. Early. \$2.00.
- 8.6 **Primevere.** "Finest of the yellow herbaceous peonies and one of the most fragrant," says Mrs. Harding. "Striking and ornamental in the garden, it is still more satisfying as a cut flower. Then its color is safely guarded, and its perfume fully enjoyed." \$2.50.
- 9.1 **Rose Shaylor.** Large blooms, cream-colored, lighted with golden stamens, and often tinged throughout with pink, are held well above the foliage by tall, stiff, thick stems. \$20.00.

- 9.7 **Solange.** Ranked by Mrs. Harding with LeCygne and Walter Faxon as the three best peonies. She writes: "Until the lover of peonies knows Solange, his life is wasted, bare, uninteresting, impoverished, and lonely beyond all words to tell. Its flower is high built, compact, and composed of large, thick petals which closely overlap. The color is deep cream, tinged with amber throughout, with a touch of soft, salmon-pink glowing from its heart." \$3.00.
- 9.4 **Tourangelle.** Pearl-white, overlaid with delicate shades of salmon; flowers of unusual size, flat, borne on long stems. Must be well established to get best results. Exquisite in its color tints if shaded from the heat of the sun when opening. \$2.50.

Red and Crimson Sorts

- 8.5 **Adolphe Rousseau.** Very large, semi-double flowers of purple-garnet. Tall, vigorous flower with dark foliage, veined red. One of the darkest peonies. \$1.50.
- 8.7 **Auguste Dessert.** Cup-shaped flowers of fine form, with rounded petals, velvety crimson-carmine, very brilliant, with silvery reflex and often streaked white. \$5.00.
- 7.8 **Augustin d'Hour.** Bomb type; midseason. Extremely large. Color very deep, rich, brilliant solorino-red with slight silvery reflex. It is a taller grower and larger flower than Felix Crousse. \$1.00.
- 8.6 **Cherry Hill.** Semi-rose type, midseason. Deep garnet with conspicuous sheen. Stems strong and erect. Does not burn. \$3.00.
- 7.8 **E. G. Hill.** Semi-rose type, early midseason. Flowers very large and double, borne in clusters. Color rich Tyrian-red; petals edged silvery rose. A very free bloomer, fragrant. \$1.75.
- 8.4 **Felix Crousse.** Rose type; late midseason. Its large, globular flowers, solid and compactly built from edge to center, are a rich, even, brilliant, dazzling ruby-red. \$1.00.
- 8.2 **Grover Cleveland.** Rose type; late. Rich, dark crimson; a strong grower. \$1.50.
- Inspecteur Lavergne.** Vivid crimson, frilled petals in the center; very full, globular flower. Abundant bloom. \$20.00.
- 8.8 **Karl Rosefeld.** "A sturdy, all-around, bright red peony, lusty and free-blooming," says Mrs. Harding. It is early, with large flower of the semi-rose type. \$1.25.
- 9.0 **Longfellow.** Perhaps the most brilliant of all the red peonies. Golden stamens show around the center petals. Late midseason. \$2.50.
- 7.8 **Lord Kitchener.** An early midseason, free blooming and of good substance. Flowers are of bomb type, cherry-red. \$1.50.
- 6.9 **Louis Van Houtte.** Medium size, semi-rose type. Deep carmine-rose, tipped silver with a brilliant fiery reflex; medium late. 75c.
- 7.5 **Marechal Vaillant** (Grandiflora Rubra). Of immense size, light red, resembling the American Beauty rose; rose type; a strong grower; one of the largest red. 75c.
- 8.7 **Mary Brand.** Vivid crimson of immense size; full double; a free-bloomer and a strong grower; midseason. \$1.50.
- 8.2 **Mme. Gaudichau.** "A brilliant dark red of great garden value," says Mrs. Harding. "The flower is loosely built and many of the stamens show. Quite as decorative as the flower itself is the foliage which from the moment it emerges above the ground rivets the attention by its vivid redness. As the season advances the upper surface of the leaves become touched with bronze; the stems remain red all summer. \$3.50.
- Mr. L. Van Leeuwen.** Beautiful flower of faultless shape; large and double, petals somewhat irregular. A clear rose red. Strong, tall stems; late midseason. \$6.00.

- 8.8 **Mons. Martin Cahuzac.** Medium sized, globular, semi-rose type. Dark purple-garnet with black reflex. The darkest peony known. Strong, vigorous grower; free-bloomer; midseason. \$2.50.
- 8.6 **Officinalis Rubra Plena.** This is the old-fashioned red, the most brilliant of all red peonies; early and splendid cut flower. \$1.00.
- 9.2 **Philippe Rivoire.** A striking variety of brilliant crimson and fragrant. Large, well formed, cup-shaped flower of rose type. Strong grower. \$12.00.
- 8.8 **Richard Carvel.** Immense globular bomb. Flower bright, all one shade of crimson. Guard petals large, broad and prominent. Early, tall, very stout stems, annual and profuse bloomer. Delicate fragrance. The best early dark red. \$2.50.
- Tenuifolia Flora Plena** (Double Fern-leaf Peony). Very early, the first Peony to bloom. Flowers are a full double brilliant crimson. \$2.50.

Japanese Flowered Peonies

- These are entirely without pollen. The inner petals are a mass of filaments surrounded by a guard of petals.
- 9.2 **Ama-No-Sode.** Mrs. Harding says this is the handsomest pink Japanese peony. The flowers are large, of bright rose, shading lighter toward the edge of the petals. \$6.00.
 - Distinction.** A large flower with broad petals of very deep pink; center of narrow filamental petals of same color, irregularly streaked with golden lines. \$2.00.
 - 9.2 **Fuyajo.** Outer petals dark, rich, mahogany-red with velvety shading. Petaloids dark red striped and tipped buff. An outstanding variety. \$5.00.
 - 8.2 **Flashlight.** Light Tyrian Rose guards with dull golden center. Strong, erect grower of medium height. Early. \$3.50.
 - 8.2 **Gold Mine.** Single row of deep rose guard petals; deep golden center. \$2.50.
 - Kockomai.** Pure red. Petaloids yellow edged red. \$3.00.
 - 8.6 **Mikado.** Guards velvety crimson, forming a cup enclosing a filigree cushion of crimson petaloids, edged and tipped gold. \$2.50.
 - Ruigegno.** Two rows of petals of clear red. Golden petaloids. A beautiful flower of fine substance. \$5.00.
 - 8.3 **Snow Wheel.** Broad outer petals resembling the waxy white petals of the Camellia. Center petals long, pointed, giving a feathery effect. \$4.00.
 - 9.4 **Tamatbako.** Clear soft pink with yellow petaloids. The flowers are large and of fine quality, borne on erect stems of medium height. Late. Considered the finest of all pink Japanese peonies. \$20.00.
 - 8.0 **Torpilleur.** Guard petals lively purplish-carmine; central filamentous petals of same tint but streaked and tipped with yellow. \$4.00.
- Single Peonies**
- 7.6 **Clio.** Large, cup-shaped single pink. Single row of wide petals encircling a mass of long, golden pollen-bearing stamens, with pond lily fragrance. \$1.50.
 - Fusuyama.** Soft colored flesh pink. \$2.00.
 - 8.4 **La Fiancee.** Pure white; very large, tall. \$2.00.
 - 8.1 **La Fraicheur.** Rosy white. \$1.00.
 - L'Etincelante.** Very broad petals of bright carmine with silvery border; crown of golden stamens at the center. \$2.00.
 - Othello.** Clear carmine, changing to deep rose; prominent yellow stamens. \$2.00.
 - Nymphe.** Large flowers of bright flesh pink, golden stamens. \$1.50.
 - Perle Rose.** Delicate clear china-pink with silvery edge. \$2.00.
 - 7.6 **Vesuve.** Dark red. \$1.50.
 - Ya Machina.** Large clear pink. \$1.00.

Shrubs—Rare, Ornamental

The Newer and



WEeping CHERRY

The figures in italics following each variety indicate in feet the average height of the plant at maturity.

ACER

Platanoides Globosum (Globe Norway Maple). An excellent form of the Norway Maple for lawn and formal effects. Clean, straight stems; branched at top forming a globe-shaped head. 6 ft. stems, \$5.00.

BERBERIS

Thunbergi Atropurpurea (New Red-leaved Japanese Barberry). 4'. Similar in all respects to the green-leaved Japanese Barberry which is so popular, but the foliage is of a rich, lustrous, bronzy red, similar to the richest red-leaved Japanese Maples. Instead of fading as the season advances, this new Barberry becomes more brilliant throughout the summer, and in the fall changes to vivid orange, scarlet, and red shades, more brilliant than in the ordinary Japanese Barberry. It bears the same scarlet berries common to the type, which remain on the plant the entire winter. It should be planted in full sun to develop its coloring. 1-yr., each 75c; 3 for \$2.10; per 10, \$6.50; per 100, \$60.00; 2-yr., each, \$1.00; 3 for \$2.85; per 10, \$8.50; per 100, \$80.00. We furnish 25 of a size at the 100 rate.

COTONEASTER

This desirable class of shrubs, which has white or pinkish flowers borne in clusters along the branches during May and June, is valued especially for the rich autumnal coloring of their leaves, and for their conspicuous berries which brighten the fall and early winter. Plant in any well-drained limed soil, avoiding shade or moist situations. The varieties we offer are listed among the most valuable at the Morton Arboretum where they have all proved hardy.

Dielsiana (Diels Cotoneaster). 5-10'. A distinct variety of loose, semi-erect growth, but with graceful drooping habit. Small oval leaves and masses of red berries in fall. 18 to 24 in., balled and burlapped, \$1.50.

Divaricata (Spreading Cotoneaster). 5-6'. One of the best of the species, especially prized for its dark scarlet fruits which last until late in the autumn. It forms a wide-branched, densely twiggy bush from 5 to 6 ft. tall and much more in diameter. The small, oval, dark green leaves turn a brilliant shade of crimson before they fall. 2 to 3 ft., balled and burlapped, \$2.00; per 10, \$17.50; 3 to 4 ft., balled and burlapped, \$2.50; per 10, \$20.00; 4-in. pots, \$1.00.

Huphensis (Huph C.). 6-10'. This variety is considered by the Morton Arboretum as one of the handsomest of all Cotoneasters. Similar to the variety *Racemiflora* *Soongarica* but with dark green, usually sharp pointed, more oval leaves. 3-in. pots, \$1.25; per 10, \$10.00.

Horizontalis (Rock Cotoneaster). 1-1½'. "Deservedly the most popular of the red-fruited varieties," says E. H. Wilson of the Arnold Arboretum. A dwarf shrub with densely spreading horizontal branches almost prostrate. On account of its habit, is much appreciated in rockeries and the front of borders, to display its crimsoning leaves and scarlet fruits deep into winter. 4-in. pots, \$1.00; 15 to 18 in., balled and burlapped, \$2.25.

Racemiflora Soongarica. 6-10'. One of the most beautiful and best of the genus. Forms a broad rounded bush from 6 to 10 feet high and more in diameter; gray-green foliage. In September, each long graceful branch is completely covered with brilliant coral-red fruit. 2 to 3 ft., balled and burlapped, \$2.00; per 10, \$17.50.

CRATAEGUS

Oxyacantha Splendens (Paul's Double Scarlet Hawthorn). 12-15'. The most beautiful and showy of the double-flowering thorns, with lovely blossoms of bright scarlet color, large, full and very double. It forms a small tree or large shrub and makes a fine specimen for the lawn. 3 to 4 ft., \$1.75; 4 to 5 ft., \$2.50.

DAPHNE

Cneorum (Rose Daphne). 1'. One of the loveliest of all plants and a gem for the rock garden or for edging borders. A dwarf evergreen shrub of trailing habit, with leaves of dark glossy green, glaucous beneath. Small, tubular, rose-pink flowers of spicy fragrance are borne in clusters in May and again in late September. Does best in sun in a well-drained, poor gravelly soil. In cold climates the plants should be protected during winter. 8 to 10 in., balled and burlapped, \$1.50 each; per 10, \$14.00; 10 to 12 in., balled and burlapped, \$2.00; per 10, \$17.50.

EUONYMUS

Alatus Compacta. 2-3'. A very bushy, compact form of the Winged Euonymus that is especially attractive in the fall when the foliage turns an intense crimson, and the whole bush resembles a ball of fire. Will succeed in shady places. 12 to 18 in., \$1.00.

EUONYMUS (Wintercreeper)

This group of trailing Euonymus are valued for their dense evergreen foliage and hardness. They can be used for ground covers on terraces or under trees and are very effective when planted with Evergreens.

Radicans Colorata (Bronze Wintercreeper). A fine new variety introduced by the Arnold Arboretum, with bright red foliage in winter. 2-year, 75c; per 10, \$6.00; 3-in. pots, 60c; per 10, \$5.00.

Radicans Vegetus (Bigleaf Wintercreeper). This is our best hardy evergreen vine. It has round leaves and is sometimes called "Evergreen Bittersweet" on account of its gorgeous red berries, which are resplendent all winter against a rich deep evergreen foliage. 2-yr., 75c; per 10, \$6.00; 2½-in. pots, 50c; per 10, \$4.50.

HAMAMELIS

Vernalis (Vernal or Winter-Blooming Witch-hazel). 5-8'. Blossoms as early as January and will continue to bloom for a long time, opening during the mild weather and closing when the temperature drops. The flowers come in greatest profusion, have a delightful spicy fragrance, and vary in color from bright yellow to shades of old gold, reddish brown and maroon. The shrub grows from 5 to 8 feet tall and frequently gets to be as wide as tall. It gives the best results when planted in a sheltered place well open to the winter sun. Ought to be planted in every garden for its early flowering quality and abundance of bloom. 2 to 3 ft., \$1.50; 3 to 4 ft., \$2.00.

JAPANESE FLOWERING CHERRIES

Probably no group of small-flowering trees attract more attention than the Japanese Cherries with their rose-like flowers. Thousands visit the large collection at Washington, D.C., annually. They are still scarce, although they will thrive in practically every state if planted in a fertile and well-drained soil and kept mulched for a few years. We are glad to be able to offer the following good varieties:

Fujizan (Mt. Fuji). 20'. A beautiful variety that produces an abundance of large double or semi-double, snow-white, fragrant flowers, about 1½ inches wide. Late flowering. 4 to 5 ft., \$5.00.

Kwanzan (Sekizan). 20-25'. Often called the handsomest of all the double-flowering cherries. It forms an upright spreading tree with gray bark and deep bronze-green leaves. Its flowers are very full and double, often two inches wide, and are a deep pink or old rose. 4 to 5 ft., \$5.00.

Sieboldi (Naden). 20'. A very popular late-flowering variety. The flowers, a deep blush-pink in color, are very large and produced in great abundance. A vigorous grower adapted for street or lane plantings. 4 to 5 ft., \$5.00.

Special Offer: one each Fujizan, Kwanzan and Sieboldi, 4 to 5 ft., for \$12.00.

JAPANESE WEeping CHERRY

An old favorite but always rare. Top grafted on straight stems it makes a beautiful object at any time and particularly in the Spring when it is covered with its rosy masses of blooms.

5 to 6 ft. stems.....\$6.00

KOLKWITZIA

Amabilis (Beautybush). 6-8'. There are few flowering shrubs which can surpass this for beauty of form and flower. Its trumpet-shaped pink flowers, deep pink without, stained with yellow-brown on the lower throat and lip, are most freely produced, which fact combined with its graceful contour, makes the plant a striking object in the shrubbery border. Grows from 6 to 8 feet tall and fully that wide. Absolutely hardy and reliable and makes a wonderful showing in June. One of the E. H. Wilson's and the Arnold Arboretum's choicest new introductions from China. 18 to 24 in., extra bushy, balled and burlapped, \$2.50; per 10, \$22.50; 18 to 24 in., not balled and burlapped, \$2.00; per 10, \$17.50; 2 to 3 ft., balled and burlapped, \$3.00; 2 to 3 ft., not balled and burlapped, \$2.50; 4-in. pots, \$1.50.

LONICERA

Korolkowi Floribunda (Broad Blueleaf Honeysuckle). 10'. A most attractive variety of twiggly growth, arching in habit, and with a mass of gray-green foliage. The great masses of delicate pink flowers are very beautiful, being carried high on the plants and producing a misty effect. Dark red fruits. 2 to 3 ft. \$1.00.

MALUS (Flowering Crab)

The Flowering Crabs have few rivals among the gorgeous spring-flowering ornamentals. They are small trees and their blooms range in color from deep carmine to the most delicate pinks. They make splendid specimens for the lawn, and when used in the shrubbery borders they enhance the value of the planting with their profusion of color.

Atrosanguinea (Carmine Crab). 10-15'. Similar to *Floribunda*, but with deep carmine flowers which do not fade. 3 to 4 ft., \$1.50; 4 to 5 ft., \$2.00.

Baccata (Siberian Crab). 20-30'. One of the earliest of the flowering Crabbables, producing quantities of white, fragrant flowers followed by small reddish fruit. Fast, upright grower; good foliage. 3 to 4 ft., \$1.75; 4 to 5 ft., \$2.50; 5 to 6 ft., \$3.00.

Bechtel's Double-Flowering. 10-15'. Trees of medium size are covered in early spring with large, beautiful, double, fragrant flowers resembling small roses of a delicate pink. 3 to 4 ft., \$1.75; per 10, \$15.00; 4 to 5 ft., \$2.50; per 10, \$22.50. 5 ft. specimens, \$5.00; 6 to 8 ft. specimens, \$7.50 to \$12.00.

Coronaria (Wild Sweet Crab). 15-20'. A low bushy tree with spreading spiny branches. Very fragrant pink flowers produced in clusters. The yellow-green fruit is fragrant and is frequently used for preserves. 3 to 4 ft., \$1.50; per 10, \$12.50; 4 to 5 ft., \$2.00; per 10, \$17.50; 5 to 6 ft., \$2.50; per 10, \$22.50.

Floribunda (Japanese Flowering Crab). 10-15'. Best when grown naturally, when it is a broad, tall, round-topped bush, rather than a tree, with wide-spreading branches. The flowers as they open are red, changing to rose and white. The small, yellowish fruit often remains on the trees all winter and is greatly relished by the birds. 3 to 4 ft., \$1.50; per 10, \$12.50; 4 to 5 ft., \$2.00; per 10, \$17.50; 5 to 6 ft., \$2.50; per 10, \$22.50.

Halliana Parkmani (Parkman Crab). 8-10'. A dwarf, vase-shaped tree with erect and spreading branches. Flowers bright rose-red, hanging on long slender stems. A favorite in Japanese gardens. 3 to 4 ft., \$1.50; per 10, \$12.50; 4 to 5 ft., \$2.00; per 10, \$17.50.

Niedzwetzkyana (Redvein Crab). 10-15'. A showy tree with remarkable single red flowers followed by red fruits about one inch in diameter in October. Bark and wood are tinged with red. 3 to 4 ft., \$1.50; 4 to 5 ft., \$2.00.

Sargentii (Sargent Crab). 5-6'. A very dwarf spreading variety, excellent for the small garden. Flowers pure white succeeded by an abundance of small, dark red fruit that remain until Spring. 3 to 4 ft., \$2.00; per 10, \$17.50; 4 to 5 ft., \$2.50; per 10, \$22.50.

Scheideckeri (Scheidecker Crab). 10-15'. A very showy and early, free-flowering variety, with double, bright rose-colored blooms. Tree small, of pyramidal habit; fruit yellow and good for jelly. 4 to 5 ft., \$2.00; per 10, \$17.50.

and Flowering—Trees

Better Varieties

PHILADELPHUS (Mock Orange)

There is a great variation in the different varieties of Mock Orange both in the habit of their growth and in their form of bloom. Some have vigorous, upright habit of growth, forming larger shrubs, and there are many dwarf varieties, with slender, arching branches and small leaves. All are refined and beautiful, and the different varieties can be grouped together most effectively.

The Better Varieties

- Banniere.** 5-6'. The earliest flowering of the Philadelphia, blooming 10 days before Virginal. Very fragrant, semi-double, waxy-white flowers of large size. Erect and compact in growth with dark green foliage. 18 to 24 in., 90c; per 10, \$7.50; 2 to 3 ft., \$1.00; per 10, \$8.50.
- Dame Blanche (White Lady).** 4'. Small foliage and upright branches to about four feet. Semi-double fringed flowers, creamy white and very fragrant. 18 to 24 in., 90c; per 10, \$7.50; 2 to 3 ft., \$1.00; per 10, \$8.50.
- Favorite.** 7-8'. Large single, cup-shaped flowers, 3 inches wide, in clusters of five; pure white with golden stamens. Of erect, compact growth; foliage light, glossy green. 18 to 24 in., 90c; per 10, \$7.50; 2 to 3 ft., \$1.00; per 10, \$8.50.
- Glacier.** 5'. Very attractive double, rich cream color flowers, produced in clusters, giving the effect of one enormous flower. Matures to a height of five feet. 18 to 24 in., 90c; per 10, \$7.50; 2 to 3 ft., \$1.00; per 10, \$8.50.
- Norma.** 7-8'. Unusually large, glossy white, single flowers in good sized sprays. An upright grower with light green leaves. 18 to 24 in., 90c; per 10, \$7.50; 2 to 3 ft., \$1.00; per 10, \$8.50.
- Pyramidalis.** 8-10'. Waxy white clusters of large, double flowers. Of tall, compact, pyramidal growth with large dark green leaves. 18 to 24 in., 90c; per 10, \$7.50; 2 to 3 ft., \$1.00; per 10, \$8.50.
- Virginalis.** 7-8'. One of the most beautiful shrubs grown. In June the plants appear as a huge bouquet, being completely covered with very large, double crested flowers that are pure white, sweet-scented and produced in clusters of five to seven. It has the longest blooming season of any variety, the new wood producing throughout the summer, large individual, single or semi-double flowers that are often three inches wide. Of vigorous, medium tall, compact growth and large dark green foliage. 2 to 3 ft., \$1.00; per 10, \$8.50; 3 to 4 ft., \$1.25; per 10, \$10.00; 4 to 5 ft., bushy, \$1.50; per 10, \$12.50; 4 to 5 ft., specimens, \$2.50.
- Special Offer.** One each of the above seven varieties of Philadelphia, 2 to 3 ft. size, for \$5.00.

PYRACANTHA

Coccinea Lalandi (Laland Firethorn). 5-6'. An almost evergreen shrub allied to both the Thorn and Cotoneasters. Dwarf grown with slender branches with numerous short thorns. Flowers white, in large clusters, followed in fall by brilliant orange-red berries. It is one of our finest berried shrubs that thrives in almost any soil. Prefers a sunny location. 15 to 18 in., balled and burlapped, \$2.00; per 10, \$17.50; 18 to 24 in., balled and burlapped, \$2.50; per 10, \$22.50; 3 in., pots, \$1.50; per 10, \$12.50.

ROBINIA

Hispida (Rose-Acacia). 5-6 ft. Light green locust foliage and long graceful clusters of large, beautiful, bright pink, pea-shaped blossoms. Highly ornamental. 4 to 5 ft., tree form, \$4.00; 5 to 6 ft., tree form, \$6.00.

NEW HYBRID RUGOSA ROSES

- Agnes.** 5-6'. A new yellow Rugosa Rose of exceptional merit. The flowers are a rich amber yellow, double, sweetly scented and come along the branches, like hollyhocks, early in June. It is a strong, vigorous grower with gray-green, crinkled foliage. 2-year, \$1.50; per 10, \$12.50.
- F. J. Grootendorst.** 5-6'. A cross between the Rugosa and the Crimson Baby Rambler. The plant is vigorous, will attain a height of six feet, and has large coarse foliage of superb quality. It is valuable as an isolated specimen, or among shrubs, or it can be used as an everblooming hedge. The flowers are an attractive bright red, are beautifully fringed, and produced in clusters. It is perfectly hardy, blooms from early summer until frost, and should have a prominent place in every garden. 2-year, \$1.00; per 10, \$8.50.
- Pink Grootendorst.** 5-6'. A variety similar in every way to the F. J. Grootendorst except that the flowers are a clear pink. 2-year, \$1.00; per 10, \$8.50.
- Special Offer.** One each of the above three Rugosa Roses for \$3.00.

ROSA HUGONIS (Golden Rose of China)

Rosa Hugonis (Golden Rose of China). 6'. This is one of the earliest roses to bloom and it makes a very spectacular show when the long arching branches are thickly set with lovely single yellow flowers in May. The small foliage, and the new young shoots that are red, make it attractive all season. It is fine for use in the shrub border or for specimen plantings and will attain a height of six feet when fully matured. It never winter-kills. 2-year, \$1.00; per 10, \$9.00; 3-year, \$1.25; per 10, \$10.00.

Three Outstanding Lilac Novelties

- Jan Van Tol.** Single, pure white, very large trusses and extremely large individual flowers; it is a very good grower and flowers very freely. 2 to 3 ft., \$2.50.
- Katherine Havemeyer.** Double, cobalt blue, flushed mauve; enormous flower of the most perfect shape with broad imbricated lobes. One of the handsomest lilacs. 2 to 3 ft., \$5.00.
- Mrs. Edward Harding.** Double, bright carmine, big panicles of large, full flowers. This variety was awarded the special prize founded by Mrs. Edward Harding for the best double red lilac. 2 to 3 ft., \$5.00.
- Special Offer.** One each of the above three Lilacs for \$10.00.

SYRINGAS (Lilacs)

New and Rare Varieties

- ***Berryer.** Double, long trusses of semi-double mauve flowers. 18 to 24 in., 2 to 3 ft.
- ***Buffton.** Single; elegant cluster of flowers, mauve-pink with reflexed lobes. 18 to 24 in.; 2 to 3 ft.
- ***Claude Bernard.** Double, a rapid-growing variety with long trusses of double or semi-double bright mauve lilac flowers; very early. 18 to 24 in., 2 to 3 ft.
- ***Descartes.** Single, mauve-pink; exceedingly free. 18 to 24 in., 2 to 3 ft.
- Diderot.** Single, enormous panicles, one foot long, with large claret-purple flowers; very free. 18 to 24 in.
- Edouard Andre.** Double; clear rose or nearly pink, one of the best of this color. 18 to 24 in.



VIBURNUM CARLESI

SYRINGAS—Continued

- Emile Gentil.** Double; large imbricated flowers, bright cobalt-blue; a very rare shade among lilacs. 18 to 24 in.
- Jean Mace.** Double, broad, compact panicles, irregular flowers, mauve, fading to bluish, an early and very floriferous variety. 18 to 24 in.; 2 to 3 ft.; 3 to 4 ft.
- Leon Gambetta.** Double; enormous trusses; very large, lilac-rose flowers, very pretty; early. 18 to 24 in.; \$2.50; 2 to 3 ft., \$3.00.
- Louvois.** Single; voluminous clusters of large flowers, deep violet-purple with bluish shades. 18 to 24 in.; 2 to 3 ft.
- Marechal Lannes.** Very broad panicles or double of semi-double flowers of amazing size; bluish violet. 18 to 24 in.; 2 to 3 ft.
- ***Mireabeau.** Single; mauve, the earliest of all. 18 to 24 in.; 2 to 3 ft.
- Montaigne.** Double. Pinkish mauve, very large clusters. 18 to 24 in.; 2 to 3 ft.
- President Faillieres.** Double; immense clusters, pale lavender. 18 to 24 in. \$2.50; 2 to 3 ft., \$3.00.

The varieties marked * belong to a new class of Lilacs, the "Early Lilacs," a cross between one of the early flowering Lilacs and Syringa Giraldi; this latter Lilac has been recently introduced from China, and is remarkable for its flowering a week or two before the other sorts. A cross between it and of the early-flowering lilacs originated a new race of tall-growing lilacs which expand their flowers before the lilacs now known.

Price of above, except where noted, 18 to 24 in., each \$2.00; 3 for \$5.50; 6 for \$10.00; 2 to 3 ft., each, \$2.50; 3 for \$7.00; 6 for \$12.00; 3 to 4 ft., \$3.00. Sizes which we have to offer noted after each variety.

ULMUS (Elm)

Americana Molini (Moline Elm). 80-100 ft. These are all grafted from a specimen tree, making a straight trunk and having large, dark green, thick, leathery leaves, often 6 inches across. The young trees are conical in shape, becoming, when older, more spreading with branches almost horizontal. Rapid in growth and much superior to seedling trees.

Height	Caliper	Each	10 for
10 to 12 ft.	1 1/2 to 1 3/4 inch	\$ 6.50	\$60.00
10 to 12 ft.	1 3/4 to 2 inch	8.00	75.00
12 to 14 ft.	2 to 2 1/4 inch	10.00	90.00

Pumila (Siberian or Chinese Elm). A new variety introduced from Asia which promises to be one of the most popular shade and street trees of America. It is a tree of rare beauty with small, dark green foliage of the elm type and delicate fine twigs. It is one of the first trees to leaf out in the spring and one of the last to shed its leaves in the fall. It is of rapid growth, growing as fast as the soft maple and the poplar. A remarkable tree, graceful and beautiful, which is highly recommended by the U. S. Department of Agriculture, especially for planting in regions unsuited to most of the common shade trees.

Height	Caliper	Each	10 for
6 to 8 ft.	\$3.00	\$25.00
8 to 10 ft.	1 to 1 1/4 inch	4.00	35.00

VIBURNUM

Carlesi (Fragrant V.) 4'. This dwarf, compact shrub, bearing large corymbs of delicate pale rose blossoms, tinted white, has a delicious, clove-scented fragrance quite surpassing any shrub we know of, and is considered by the Arnold Arboretum as Korea's great gift to our gardens. Hardy, but best planted in a somewhat sheltered position. 12 to 15 in., balled and burlapped, \$2.50; 12 to 15 in., not balled and burlapped, \$2.00; 18 to 24 in., balled and burlapped, \$3.00; 18 to 24 in., not balled and burlapped, \$2.50; 24 to 30 in., balled and burlapped, \$5.00; 2 to 2 1/2 ft., balled and burlapped, \$7.50.

Opulus Nanum (Dwarf Cranberrybush). 1-1 1/2'. A very dwarf, compact form of the Cranberrybush, seldom attaining more than one foot in height. It does not flower or fruit but has very attractive, dark green foliage. It is fine for edging, bordering, or for use in the rockgarden. 8 to 10 in., 75c; 10 for \$6.00.

Vaughan's Nursery Catalog

LISTING and illustrating the most popular and meritorious ornamental shrubs, shade trees, small fruits, fruit trees, and vines, will be sent free on request. We sell to customers at one profit, and our prices are much lower than those you will pay to salesmen. Our nurseries are at Western Springs, Ill., eighteen miles west of Chicago, on the C. B. & Q. Railroad. The grounds are on Wolf road, two blocks south of W. Forty-seventh street.

Vaughan's Garden Tools and Requisites

PRICES GIVEN BELOW DO NOT INCLUDE PREPAYING OF CHARGES EXCEPT WHERE NOTED

FERTILIZERS (F. O. B. New York)

ADCO ARTIFICIAL STABLE MANURE. Make it yourself, in your own garden. To each ton of straw, hay, cornstalks or dried leaves add 150 lbs. Adco to make four tons of fresh or three tons of rotted manure. Adco contains nothing injurious to health or harmful to animal or plant life. Shipments accompanied by full directions. Price, 25 lb. bag, \$2.00, 150 lbs., \$10.50. Write for booklet.

BONE MEAL, Vaughan's "Rose Grower" and Super Phosphate. Has been slightly steamed so that it can be ground fine, and is thus quicker in its action. 5 lbs., 55c; 10 lbs., \$1.00; 25 lbs., \$1.90; 50 lbs., \$3.00; 100 lbs., \$5.00.

BONE MEAL, "Regular Grade." 25 lbs., \$1.50; 50 lbs., \$2.60; 100 lbs., \$4.75.

CATTLE MANURE (Shredded). A natural fertilizer for all general purposes. If applied to the lawn in the fall it protects grass roots through the winter. As easy and clean to handle as grain. Price: 100 lbs., \$4.30; 500 lbs., \$18.40; 1,000 lbs., \$34.75; 2,000 lbs., \$67.50.

LOMA Beautifies lawns and gardens. A scientifically prepared plant food for lawns, flowers, vegetables, shrubbery and potted plants. Rich in nitrates, phosphates and potash. Price, 5 lbs., 50c; 10 lbs., 85c; 25 lbs., \$2.00; 50 lbs., \$3.50; 100 lbs., \$6.00.

NITRATE OF SODA or Chili Saltpeter. Nitrate of Soda is not a substitute for other Manures, but we recommend it as the cheapest and best form in which to apply Nitrogen to plants. Gardeners who are using farm manure should continue to use it, but use Nitrate of Soda in addition to other fertilizers. If your objects is to grow maximum crops you must furnish the plant with Nitrogen. Cannot go by mail.

Price (subject to market changes), 5 lbs., 60c; 10 lbs., \$1.00; 25 lbs., \$1.80; 100 lbs., \$5.50. Write for prices on larger quantities.

SHEEP MANURE (Pulverized). Excellent for mixing with soil for greenhouse plants; one part manure and six parts soil. 5 lbs., 50c; 10 lbs., 90c; 25 lbs., \$1.65; 50 lbs., \$2.25; 100 lbs., \$3.75; 500 lbs., \$16.25; 1000 lbs., \$30.00; ton, \$55.00.

VAUGHAN'S LAWN AND GARDEN FERTILIZER 5-8-6. Composed of plant foods in mineral form, making it odorless and quicker acting.

Price 5 lbs., 60c; 10 lbs., \$1.10; 25 lbs., \$2.45; 50 lbs., \$3.65; 100 lbs., \$6.00; 500 lbs., \$27.50; 1,000 lbs., \$51.50; 2,000 lbs., \$98.00.

VAUGHAN'S CONCENTRATED PLANT FOOD. This is the most useful fertilizer for all kinds of plants raised in pots. Small pkg., 20c each. Large pkg., 30c each. Mailing weight, small, 10 oz.; large, 17 oz. Each package contains full directions.

INSECTICIDES AND FUNGICIDES

Insecticides containing Poison cannot be sent by mail.

Weights—By mail, ½ pt., 1 lb.; pt., 2 lbs.; qt., 3 lbs.

APHINE. A new insecticide discovery that kills plant lice of every species. Effective indoors and outdoors. Per ½ pint, 40c; per pint, 65c; per quart, \$1.00; gallon, \$3.00.

FISH OIL SOAP. An excellent wash for trees and plants where insects and eggs affect the bark; also used for smearing upon trees to prevent worms crawling up. Per lb., 30c; 5 lbs., \$1.25.

FLOWERS OF SULPHUR. For mildew on roses, etc. Lb., 15c; 10 lbs., \$1.00; 25 lbs., \$2.00.

LEMON OIL. Destroys mealy bug, scale, thrip, red spider, etc. ½ pint, 40c; pint, 65c; quart, \$1.10; ½ gal., \$2.00; gal., \$3.25; 5 gals., \$12.00.

LIME-SULPHUR. The best remedy for San Jose scale. One gallon makes ten; one of the best Autumn sprays. Qt. can, 45c; 1 gal., \$1.00; 5 gal. can, \$4.00.

SCALICIDE. An oil preparation for San Jose scale. Qt., 75c; gal., \$1.75; 5 gallons, \$6.25.

SULPHO TOBACCO SOAP. For greenfly on roses. 8-oz. box, 25c; by mail, 30c; 3 ozs., 15c; by mail, 20c.

SHEP'S PLANT SPRAY. For house plants, 2 oz. bottle, 35c; ½ pint, 75c; pint \$1.25; qt., \$2.00.

TOBACCO STEMS. For fumigating. 5 lbs., 25c; 100 lbs., \$2.50.

TOBACCO DUST. One of the best remedies for green and black aphid, fleas, beetles, etc., also for insects in the ground. Lb., 15c; 5 lbs., 35c; 10 lbs., 65c; 100 lbs., \$4.50.

VOLCK. Controls scale insects, mealy bug, white flies, red spiders, rust, mites, aphid and thrips. Pint, 75c; quart, \$1.00; gallon, \$3.00; 5 gallons, \$12.00.

KNIVES, Propagating. "The Vaughan," best of all. Each, \$1.25; by mail, \$1.30.

Budding and Propagating. Two blades, white handle. Each, \$1.50; by mail, \$1.55.

KNIVES, Pruning. Henckel No. 3 C.

Each, \$2.50; by mail, \$2.60.

Imported Pruning. \$2.50; by mail, \$2.35.

LABELS, Wooden, for Pots. Per 100 1000

4-in., painted.....\$0.45 \$2.10

5-in., painted.....50 2.75

Tree (copper wired) 3½ in.....55 3.10

Heavy Wood Labels.—

For use outside, will last for years 16x1½ in. Doz., 65c; 100 for \$4.50; 18x2 in., Doz., 80c; 100, \$5.50.

WIRE FRUIT PICKER

A mechanical apple and fruit picker, so simple children can pick fruit with no danger. Without pole, price, 75c each; postpaid, 85c.

HOTBED SASH. Unglazed, for 3 rows, 10-inch glass.

Each, \$3.50; 3 for \$10.20; doz., \$39.00.

Glazed, each, \$6.85; 3 for \$20.10; doz., \$79.20.

For 8-inch glass, 4 rows, each, \$3.95; 3 for \$11.50; doz., \$43.20. Glazed, each, \$7.25; 3 for \$21.50; doz., \$84.00.

Add 95c per sash for double strength.

HOTBED MATS.

Milo Waterproof Hotbed Mats.

A combination of heavy weight bur-lap felt and absorbent pulp, cemented together with a specially prepared water-proof compound absolutely impervious to rain, sleet and snow proof against frost; repellent to rats and mice. Easy to handle, wears for years.

Size, 40x78 inches, Each, \$2.85; doz., \$28.80.

Size, 76x76 inches, Each, \$4.95; doz., \$51.00.

GLASS CUTTER, DIAMOND. Each, \$5.00.

GLASS CUTTER, RED DEVIL. Each, 25c.

GLAZING POINTS, Vaughan's Perfection. No rights or lefts. No. 2, small, single thick glass; No. 2½, double thick, for greenhouse and skylights. Price, per lb. (approximately 900), 70c, postage extra.

Siebert's Improved, ¾ and ½, price per lb., 70c.

PUTTY BULB (Scollay's). A useful tool with a tube for applying liquid putty in glazing greenhouses. Each, \$1.75. Mailing weight, 1 lb.

WATERING POTS.—American. Heavy galvanized round can, two copper-faced roses, long spout; 4 quart, \$4.75; 6 quart, \$5.20; 8 quart, \$5.90; 10 quart, \$6.25; 12 quart, \$6.60.

French Style. Oval, otherwise same make as above; 6 quart, \$5.85; 8 quart, \$6.20; 10 quart, \$6.60; 12 quart, \$7.20.

THERMOMETERS, Tin Case, 8-inch, Each, 50c.

Cabinet Wood Case, 8-inch, Each, 75c.

Tin Case, standard grade tested, 8-inch, Each, \$1.75; Hotbed, Brass Point, Wooden Frame, Each, \$2.50; Self-Registering with magnet to set it, 8-inch, registers highest and lowest temperature, Each, \$6.50.

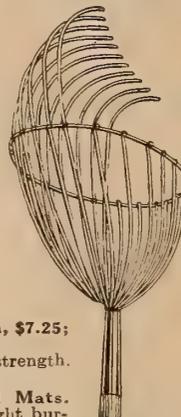
DOUBLE EDGE PRUNING SAWS. 16-inch, each, \$1.75; 18-inch, each, \$1.95; 20-inch, each, \$2.10.

California curved pole pruning without pole, each, \$2.50.

Forester pruning saw, 26 inches long, for cutting long limbs, each, \$2.00.

SHEARS (Pruning)—Best Grade, 9 in. each, \$2.00.

Nickel-Plated 6-inch, each, \$1.50. Henckel, 8½ inch, \$3.50; 9½ inch, \$4.00.



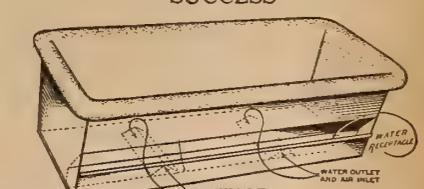
SELF-WATERING FLOWER BOXES "SAVO"



Savo self-watering flower boxes, made of the best grade of galvanized steel with neat round corners and a full roll rim, beautifully finished in green, ivory, lavender, red or pink. This box can be made useful all the year round, in the spring and summer outdoors and the fall and winter indoors.

Model	Height	Width	Length	Price
Model A	8 inches	8 inches	23 inches	\$3.00
Model B	8 inches	9½ inches	29 inches	4.00
Model C	8 inches	9½ inches	35 inches	4.50
Model D	8 inches	9½ inches	41 inches	5.00
Model E	8 inches	12 inches	12 inches	3.00
Model F	12 inches	12 inches	12 inches	3.50

"SUCCESS"



The "Success" Window Boxes are substantially constructed of galvanized sheet steel, lock seamed and soldered watertight. The boxes are finished in an attractive shade of green enamel and will prove an addition to any home, hotel or office building. Since they are watertight, they are especially adapted for inside use.

Outside dimensions of Window Boxes:

Length	Width	Depth	Price
24-in.	8½-in.	6¼-in.	\$1.95
30-in.	8½-in.	6¼-in.	2.40
36-in.	8½-in.	6¼-in.	3.25
42-in.	8½-in.	6¼-in.	4.00

PEAT MOSS—Granulated. A moisture retaining humus, an important aid in saving soil fertility. Better than manure. Garden size bale of about 6 bushels, \$2.25; larger bale of about 20 bushels, \$5.00.

PEAT. (Fern roots)..... Per sack, about 3 bushels..... \$3.25

PEAT. For potting Azaleas..... Per sack, about 3 bushels..... 3.00

LEAF MOLD. Peck, 40c; Bushel Sack, \$1.25.

POTTING SOIL. This mixture is prepared by us. Suitable for all ordinary plants and bulbs; by express or freight at buyer's expense, ready for use. Pk., 40c; bu., \$1.25; bbl., \$3.00.

POTS, PANS AND SAUCERS

RED CLAY POTS.—We pack these carefully but will not be responsible for breakages.

Doz.	100	1000	Doz.	100
2 in.	\$0.35	\$1.60	6 in.	\$1.35
2½ in.	.40	1.80	7 in.	1.80
3 in.	.50	2.75	8 in.	2.25
4 in.	.65	3.50	10 in.	each, 60c
5 in.	.85	6.00	12 in.	each, 90c

BULB PANS (RED)

Each	Doz.	Each	Doz.	
6 in.	\$.015	\$1.35	8 in.	\$.025
7 in.	.20	1.80	10 in.	.60

TUBS—(Flower) Richmond.

These are made of best seasoned White Virginia Cedar, securely bound with welded wire hoops. They are nicely painted green, paint of best oils. Prices F. O. B. Chicago or New York.

No.	Each	Four	No.	Each	Four
1 6x6	\$0.90	\$3.40	9 14x13	\$2.35	\$9.00
3 8x8	1.10	4.20	11 16x15	3.00	11.40
5 10x9	1.30	5.00	13 18x17	3.75	14.60
7 12x11	1.80	6.80	14 19x18	4.65	17.20

If handles are required add 35c per tub. First figure following number of tub gives diameter in inches at top of tub; second figure depth in inches.

Japanese Bamboo Broom Rake.

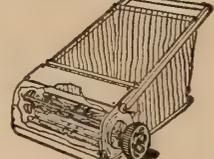
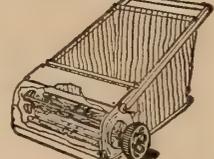
Each 85c.

LAWN SWEEPER

The Gem. Will clean a lawn more thoroughly than four men with hand rakes. Made of metal, wood and canvas, and lighter and less noisy than all metal. 24-in. cut. Each, \$34.00.

WHEELBARROWS.

WHEELBARROW—Vaughan Garden. The best in design, material and workmanship for the class of trade who desire the best. 2½-tire which permits easy wheeling of heavy loads. Price, \$7.50.





PEONY—PRESIDENT TAFT
Each, \$1.25



Iris Collection No. C3

One each of the two Iris varieties illustrated below, sent prepaid, for **\$1.25**; 3 each, for **\$2.50**.



Below: IRIS—SEMINOLE
Each, 35c; 3 for 70c



PEONY—AVALANCHE
Each, \$1.00



PEONY—KARL ROSEFIELD
Each, \$1.25



Peony Collection No. C3

One each of the three Peony varieties illustrated on this page, sent prepaid, for **\$3.25**; 2 each, for **\$6.00**.



Below: IRIS—GOLD IMPERIAL
Each, \$1.00; 3 for \$2.00, prepaid



Vaughan's Spring Flowering Bulbs

FARNCOMBE
SANDERS

PRIDE OF HAARLEM

Cover Collection No. 4

One each (12 bulbs) of the varieties illustrated
on this page, separately labeled,

postpaid - - - - - \$1.00

Three each (36 bulbs) - - - - - \$2.75

Six each (72 bulbs) - - - - - 5.00

Doz. 100 1000

Farncombe Sanders, (Darwin) - \$0.80 \$5.50 \$50.00

Zulu, (Darwin) - - - - - 1.15 7.50 70.00

Jaune D'Ouef, (Breeder) - - - 1.10 7.00 65.00

Centenaire, (Darwin) - - - - 80 5.50 50.00

Massachusetts, (Darwin) - - - 80 5.60 50.00

Turenne, (Breeder) - - - - - 1.15 7.50 70.00

Inglescombe, Yellow, (Cottage) .80 5.50 50.00

Prof. Rawenhoff, (Darwin) - - .80 5.50 50.00

Pride of Haarlem, (Darwin) - .80 5.50 50.00

Valentine, (Darwin) - - - - - 1.30 9.00 85.00

Artemis, (Lily Flowered) - - - 1.00 6.50 60.00

Mrs. Moon, (Cottage) - - - - 1.20 8.00 75.00



VALENTINE



ZULU



JAUNE D'OUF



MASSACHUSETTS



INGLES COMBE
YELLOW



ARTEMIS



TURENNE



PROF. RAWENHOFF



MRS. MOON



CENTENAIRE

Vaughan's Seed Store
Chicago New York